

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
 Data File : VD072223.D
 Acq On : 16 Mar 2022 17:30
 Operator : VA/SY
 Sample : VD0316SBS01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/17/2022
 Supervised By : Mahesh Dadoda 03/17/2022

Quant Time: Mar 17 02:27:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	422511	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	713512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	678824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	338713	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	255685	54.301	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.600%			
35) Dibromofluoromethane	7.909	113	246377	49.069	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.140%			
50) Toluene-d8	10.332	98	908666	49.493	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.980%			
62) 4-Bromofluorobenzene	12.620	95	357134	50.063	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.120%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	71474	18.289	ug/l	100
3) Chloromethane	2.209	50	66448	19.135	ug/l	97
4) Vinyl Chloride	2.344	62	63039	18.806	ug/l	97
5) Bromomethane	2.750	94	41977	19.231	ug/l	97
6) Chloroethane	2.915	64	43592	19.669	ug/l	91
7) Trichlorofluoromethane	3.268	101	139190	18.387	ug/l	100
8) Diethyl Ether	3.709	74	44906	21.479	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.097	101	93696	19.412	ug/l	98
10) Methyl Iodide	4.297	142	49307	13.121	ug/l	97
11) Tert butyl alcohol	5.226	59	33463	122.569	ug/l #	92
12) 1,1-Dichloroethene	4.062	96	72792	18.745	ug/l	85
13) Acrolein	3.921	56	28118	115.420	ug/l	98
14) Allyl chloride	4.709	41	132910	19.576	ug/l	94
15) Acrylonitrile	5.415	53	124717	118.224	ug/l	97
16) Acetone	4.156	43	98188	96.042	ug/l	93
17) Carbon Disulfide	4.403	76	113652	13.673	ug/l	98
18) Methyl Acetate	4.715	43	69365	27.687	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	233749	22.147	ug/l	98
20) Methylene Chloride	4.962	84	123356	20.600	ug/l	89
21) trans-1,2-Dichloroethene	5.473	96	81334	18.937	ug/l	92
22) Diisopropyl ether	6.356	45	346796	22.394	ug/l	96
23) Vinyl Acetate	6.303	43	838170m	106.053	ug/l	
24) 1,1-Dichloroethane	6.256	63	189887	20.791	ug/l	98
25) 2-Butanone	7.203	43	156861	115.076	ug/l	99
26) 2,2-Dichloropropane	7.203	77	154956	18.804	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	111256	20.290	ug/l	96
28) Bromochloromethane	7.538	49	79117	21.518	ug/l	89
29) Tetrahydrofuran	7.562	42	93639	116.826	ug/l	94
30) Chloroform	7.709	83	204857	21.055	ug/l	95
31) Cyclohexane	7.979	56	131618	17.891	ug/l #	90
32) 1,1,1-Trichloroethane	7.903	97	170749	19.759	ug/l	96
36) 1,1-Dichloropropene	8.109	75	122436	17.382	ug/l	96
37) Ethyl Acetate	7.291	43	67402	21.845	ug/l #	96
38) Carbon Tetrachloride	8.091	117	138216	17.262	ug/l	97
39) Methylcyclohexane	9.350	83	144965	18.289	ug/l	99
40) Benzene	8.350	78	373041	18.564	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
 Data File : VD072223.D
 Acq On : 16 Mar 2022 17:30
 Operator : VA/SY
 Sample : VD0316SBS01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/17/2022
 Supervised By : Mahesh Dadoda 03/17/2022

Quant Time: Mar 17 02:27:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	41335	22.984	ug/l	93
42) 1,2-Dichloroethane	8.420	62	121622	19.951	ug/l	96
43) Isopropyl Acetate	8.450	43	140052	23.386	ug/l	98
44) Trichloroethene	9.108	130	104688	18.557	ug/l	98
45) 1,2-Dichloropropane	9.385	63	111258	20.188	ug/l	98
46) Dibromomethane	9.467	93	55198	20.361	ug/l	95
47) Bromodichloromethane	9.656	83	163110	20.639	ug/l	98
48) Methyl methacrylate	9.450	41	58593	20.490	ug/l #	81
49) 1,4-Dioxane	9.461	88	14575	448.333	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	365566	116.220	ug/l	94
52) Toluene	10.397	92	256810	19.421	ug/l	95
53) t-1,3-Dichloropropene	10.614	75	144669	20.035	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	168337	20.167	ug/l	94
55) 1,1,2-Trichloroethane	10.791	97	94239	22.819	ug/l	98
56) Ethyl methacrylate	10.655	69	122637	25.353	ug/l	92
57) 1,3-Dichloropropane	10.938	76	147310	21.254	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	206626	95.004	ug/l	96
59) 2-Hexanone	10.973	43	243949	112.290	ug/l	94
60) Dibromochloromethane	11.132	129	111284	20.767	ug/l	99
61) 1,2-Dibromoethane	11.238	107	79378	21.271	ug/l	100
64) Tetrachloroethene	10.867	164	86274	18.038	ug/l	92
65) Chlorobenzene	11.661	112	290347	19.293	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.732	131	119460	20.074	ug/l	97
67) Ethyl Benzene	11.738	91	502474	18.694	ug/l	99
68) m/p-Xylenes	11.844	106	385649	37.785	ug/l	99
69) o-Xylene	12.173	106	191324	19.598	ug/l	97
70) Styrene	12.185	104	335686	19.691	ug/l	98
71) Bromoform	12.350	173	66408	20.890	ug/l #	97
73) Isopropylbenzene	12.467	105	527505	19.653	ug/l	100
74) N-amyl acetate	12.279	43	130298	22.589	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.720	83	105643	22.007	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	80747m	21.611	ug/l	
77) Bromobenzene	12.749	156	122745	20.318	ug/l	95
78) n-propylbenzene	12.808	91	645249	19.791	ug/l	99
79) 2-Chlorotoluene	12.897	91	373470	19.810	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	463202	20.087	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	31003	20.588	ug/l	93
82) 4-Chlorotoluene	12.997	91	388912	19.923	ug/l	99
83) tert-Butylbenzene	13.214	119	404165	19.992	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	459997	20.246	ug/l	99
85) sec-Butylbenzene	13.391	105	593363	19.544	ug/l	98
86) p-Isopropyltoluene	13.502	119	497276	19.905	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	250751	19.804	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	256270	20.411	ug/l	98
89) n-Butylbenzene	13.832	91	470895	19.775	ug/l	98
90) Hexachloroethane	14.096	117	91850	18.759	ug/l	94
91) 1,2-Dichlorobenzene	13.873	146	226930	20.557	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	16539	21.588	ug/l	83
93) 1,2,4-Trichlorobenzene	15.143	180	143086	19.578	ug/l	99
94) Hexachlorobutadiene	15.249	225	81472	19.164	ug/l	98
95) Naphthalene	15.385	128	267722	21.251	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	128188	20.263	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
Data File : VD072223.D
Acq On : 16 Mar 2022 17:30
Operator : VA/SY
Sample : VD0316SBSD01
Misc : 5.07G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/17/2022
Supervised By :Mahesh Dadoda 03/17/2022

Quant Time: Mar 17 02:27:23 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

