

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040622\
 Data File : VD072547.D
 Acq On : 06 Apr 2022 13:15
 Operator : VA/SY
 Sample : VD0406SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0406SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/07/2022
 Supervised By : Mahesh Dadoda 04/07/2022

Quant Time: Apr 07 01:10:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	382297	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	636760	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	593122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	302303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	220952	47.777	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.560%		
35) Dibromofluoromethane	7.908	113	234600	47.408	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.820%		
50) Toluene-d8	10.332	98	808280	46.989	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.980%		
62) 4-Bromofluorobenzene	12.626	95	321860	47.911	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	56426	18.598	ug/l	99
3) Chloromethane	2.209	50	49948	17.798	ug/l	96
4) Vinyl Chloride	2.350	62	55335	17.779	ug/l	98
5) Bromomethane	2.744	94	37932	17.541	ug/l	91
6) Chloroethane	2.914	64	39052	18.894	ug/l	92
7) Trichlorofluoromethane	3.273	101	135333	20.550	ug/l	95
8) Diethyl Ether	3.709	74	39459	20.163	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.091	101	91368	20.803	ug/l	94
10) Methyl Iodide	4.297	142	59970	17.286	ug/l #	94
11) Tert butyl alcohol	5.220	59	31680	129.718	ug/l	95
12) 1,1-Dichloroethene	4.073	96	64417	18.760	ug/l	87
13) Acrolein	3.932	56	14044	129.585	ug/l	98
14) Allyl chloride	4.714	41	110860	19.098	ug/l	91
15) Acrylonitrile	5.420	53	105122	107.407	ug/l	99
16) Acetone	4.156	43	104728	121.446	ug/l	97
17) Carbon Disulfide	4.409	76	84477	14.162	ug/l	98
18) Methyl Acetate	4.720	43	60765	25.012	ug/l #	85
19) Methyl tert-butyl Ether	5.479	73	216730	21.625	ug/l	98
20) Methylene Chloride	4.961	84	130867	25.492	ug/l	87
21) trans-1,2-Dichloroethene	5.473	96	71629	17.587	ug/l	83
22) Diisopropyl ether	6.361	45	304389	22.064	ug/l #	91
23) Vinyl Acetate	6.303	43	680277m	95.662	ug/l	
24) 1,1-Dichloroethane	6.261	63	176654	21.250	ug/l	96
25) 2-Butanone	7.208	43	140489	117.797	ug/l #	83
26) 2,2-Dichloropropane	7.208	77	155142	21.011	ug/l	96
27) cis-1,2-Dichloroethene	7.208	96	105827	20.299	ug/l	93
28) Bromochloromethane	7.544	49	81506	22.882	ug/l #	76
29) Tetrahydrofuran	7.555	42	77694	107.901	ug/l	90
30) Chloroform	7.708	83	205523	21.978	ug/l	97
31) Cyclohexane	7.979	56	104721	17.318	ug/l #	78
32) 1,1,1-Trichloroethane	7.897	97	171081	21.570	ug/l	96
36) 1,1-Dichloropropene	8.114	75	111680	18.387	ug/l	96
37) Ethyl Acetate	7.291	43	54054	20.615	ug/l #	93
38) Carbon Tetrachloride	8.091	117	139521	20.466	ug/l	99
39) Methylcyclohexane	9.349	83	114271	17.500	ug/l	95
40) Benzene	8.344	78	345028	19.964	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	28715m	19.775	ug/l	
42) 1,2-Dichloroethane	8.420	62	112781	21.351	ug/l	95
43) Isopropyl Acetate	8.449	43	108925	21.657	ug/l #	91
44) Trichloroethene	9.108	130	100328	20.448	ug/l	95
45) 1,2-Dichloropropane	9.385	63	100385	20.881	ug/l	100
46) Dibromomethane	9.473	93	53751	21.311	ug/l	98
47) Bromodichloromethane	9.655	83	157742	21.769	ug/l	99
48) Methyl methacrylate	9.449	41	52532	21.513	ug/l	88
49) 1,4-Dioxane	9.449	88	13933	464.380	ug/l #	88
51) 4-Methyl-2-Pentanone	10.220	43	306762	113.667	ug/l	93
52) Toluene	10.396	92	238942	20.812	ug/l	95
53) t-1,3-Dichloropropene	10.614	75	138549	21.942	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	158112	21.179	ug/l #	87
55) 1,1,2-Trichloroethane	10.791	97	85653	22.400	ug/l	97
56) Ethyl methacrylate	10.655	69	96503	21.227	ug/l #	81
57) 1,3-Dichloropropane	10.938	76	137665	21.777	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	248318	131.536	ug/l	97
59) 2-Hexanone	10.979	43	209795	114.315	ug/l	91
60) Dibromochloromethane	11.132	129	111200	22.544	ug/l	99
61) 1,2-Dibromoethane	11.238	107	74787	22.028	ug/l	99
64) Tetrachloroethene	10.873	164	75724	19.541	ug/l	98
65) Chlorobenzene	11.661	112	279547	21.081	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	115074	21.705	ug/l	99
67) Ethyl Benzene	11.738	91	470335	20.327	ug/l	100
68) m/p-Xylenes	11.843	106	360288	41.043	ug/l	100
69) o-Xylene	12.173	106	176939	20.891	ug/l	96
70) Styrene	12.185	104	320322	21.459	ug/l	97
71) Bromoform	12.349	173	63721	22.672	ug/l #	100
73) Isopropylbenzene	12.473	105	504634	20.670	ug/l	100
74) N-amyl acetate	12.279	43	105829	20.659	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.720	83	102029	22.063	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	63594m	19.288	ug/l	
77) Bromobenzene	12.749	156	112603	20.577	ug/l	96
78) n-propylbenzene	12.808	91	611242	20.753	ug/l	99
79) 2-Chlorotoluene	12.896	91	359760	20.887	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	438025	20.949	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	29192	21.726	ug/l	89
82) 4-Chlorotoluene	12.996	91	379299	21.144	ug/l	99
83) tert-Butylbenzene	13.214	119	387128	21.386	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	441263	21.581	ug/l	99
85) sec-Butylbenzene	13.390	105	588012	21.566	ug/l	99
86) p-Isopropyltoluene	13.502	119	472957	21.221	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	245701	21.669	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	243347	21.293	ug/l	99
89) n-Butylbenzene	13.832	91	454225	21.395	ug/l	99
90) Hexachloroethane	14.096	117	98551	21.600	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	221847	22.182	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	15927	23.288	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	137675	22.209	ug/l	98
94) Hexachlorobutadiene	15.249	225	79402	22.867	ug/l	97
95) Naphthalene	15.384	128	244973	20.337	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	122908	22.717	ug/l	98

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

