

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011122\
 Data File : VD071671.D
 Acq On : 11 Jan 2022 12:50
 Operator : VA/SY
 Sample : VD0111SBSD01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0111SBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/12/2022
 Supervised By : Mahesh Dadoda 01/12/2022

Quant Time: Jan 12 04:26:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	301248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	507165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	473059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	220612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	200600	51.752	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.500%			
35) Dibromofluoromethane	7.914	113	178210	53.170	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.340%			
50) Toluene-d8	10.338	98	697830	55.619	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.240%			
62) 4-Bromofluorobenzene	12.626	95	228126	51.599	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.200%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	50486	21.807	ug/l	96
3) Chloromethane	2.215	50	68191	22.204	ug/l	99
4) Vinyl Chloride	2.350	62	77730	20.753	ug/l	90
5) Bromomethane	2.767	94	57301	22.518	ug/l	95
6) Chloroethane	2.926	64	55864	20.929	ug/l	95
7) Trichlorofluoromethane	3.279	101	114102	21.489	ug/l	94
8) Diethyl Ether	3.714	74	28961	20.738	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	64703	20.848	ug/l	96
10) Methyl Iodide	4.309	142	58025	19.555	ug/l	97
11) Tert butyl alcohol	5.203	59	31175	111.372	ug/l #	90
12) 1,1-Dichloroethene	4.073	96	55776	20.711	ug/l	88
13) Acrolein	3.920	56	30146	79.682	ug/l	99
14) Allyl chloride	4.714	41	115553	21.639	ug/l	98
15) Acrylonitrile	5.426	53	73358	99.399	ug/l	98
16) Acetone	4.156	43	86974	97.186	ug/l	97
17) Carbon Disulfide	4.414	76	142201	21.311	ug/l	99
18) Methyl Acetate	4.714	43	54918	21.126	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	145609	20.483	ug/l	94
20) Methylene Chloride	4.967	84	77458	21.934	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	64158	20.861	ug/l	93
22) Diisopropyl ether	6.361	45	245201	21.324	ug/l	95
23) Vinyl Acetate	6.308	43	550060	102.508	ug/l	100
24) 1,1-Dichloroethane	6.267	63	142620	21.730	ug/l	95
25) 2-Butanone	7.208	43	105211	99.505	ug/l	98
26) 2,2-Dichloropropane	7.214	77	117584	21.335	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	78025	21.494	ug/l	99
28) Bromochloromethane	7.550	49	59837	18.715	ug/l	97
29) Tetrahydrofuran	7.561	42	60544	99.535	ug/l	98
30) Chloroform	7.708	83	146981	21.900	ug/l	96
31) Cyclohexane	7.985	56	117156	22.015	ug/l #	86
32) 1,1,1-Trichloroethane	7.902	97	126032	21.306	ug/l	99
36) 1,1-Dichloropropene	8.114	75	101485	21.226	ug/l	100
37) Ethyl Acetate	7.297	43	40810	18.391	ug/l #	94
38) Carbon Tetrachloride	8.097	117	109622	22.640	ug/l	94
39) Methylcyclohexane	9.355	83	107991	20.911	ug/l	95
40) Benzene	8.349	78	282448	21.441	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	27956	21.103	ug/l	97
42) 1,2-Dichloroethane	8.426	62	93207	20.902	ug/l	97
43) Isopropyl Acetate	8.449	43	87257	20.890	ug/l	100
44) Trichloroethene	9.114	130	73561	21.699	ug/l	89
45) 1,2-Dichloropropane	9.385	63	78278	21.982	ug/l	96
46) Dibromomethane	9.479	93	38854	21.317	ug/l	98
47) Bromodichloromethane	9.661	83	110436	22.068	ug/l	98
48) Methyl methacrylate	9.455	41	41142	19.491	ug/l	98
49) 1,4-Dioxane	9.461	88	8338	456.282	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	224154	101.594	ug/l	97
52) Toluene	10.402	92	182125	21.964	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	96533	21.990	ug/l	95
54) cis-1,3-Dichloropropene	10.085	75	115020	22.222	ug/l	98
55) 1,1,2-Trichloroethane	10.796	97	52833	22.111	ug/l	97
56) Ethyl methacrylate	10.655	69	61108	20.864	ug/l	98
57) 1,3-Dichloropropane	10.943	76	93249	21.118	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	154128	95.324	ug/l	99
59) 2-Hexanone	10.979	43	153536	99.631	ug/l	99
60) Dibromochloromethane	11.132	129	65858	21.653	ug/l	100
61) 1,2-Dibromoethane	11.243	107	46660	20.410	ug/l	99
64) Tetrachloroethene	10.873	164	61321	22.068	ug/l	97
65) Chlorobenzene	11.667	112	191163	21.117	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	70710	20.601	ug/l	97
67) Ethyl Benzene	11.738	91	353576	21.276	ug/l	99
68) m/p-Xylenes	11.849	106	268659	43.466	ug/l	98
69) o-Xylene	12.173	106	121131	20.705	ug/l	97
70) Styrene	12.185	104	216891	21.629	ug/l	99
71) Bromoform	12.355	173	35323	21.076	ug/l #	99
73) Isopropylbenzene	12.473	105	340765	21.494	ug/l	99
74) N-amyl acetate	12.279	43	80357	20.663	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	58847	20.947	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	42211m	19.801	ug/l	
77) Bromobenzene	12.755	156	72335	21.122	ug/l	96
78) n-propylbenzene	12.814	91	432142	21.673	ug/l	98
79) 2-Chlorotoluene	12.902	91	246936	21.974	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	282370	21.317	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	15827	20.699	ug/l	96
82) 4-Chlorotoluene	12.996	91	257424	22.080	ug/l	100
83) tert-Butylbenzene	13.214	119	244081	21.564	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	285328	21.781	ug/l	98
85) sec-Butylbenzene	13.390	105	382442	22.060	ug/l	100
86) p-Isopropyltoluene	13.508	119	312827	21.978	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	155330	21.979	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	154042	21.365	ug/l	98
89) n-Butylbenzene	13.832	91	309121	21.686	ug/l	98
90) Hexachloroethane	14.096	117	60630	21.529	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	131542	21.718	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	9914	21.956	ug/l	95
93) 1,2,4-Trichlorobenzene	15.149	180	76073	21.794	ug/l	97
94) Hexachlorobutadiene	15.249	225	43648	21.330	ug/l	97
95) Naphthalene	15.384	128	126877	20.529	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	66631	22.402	ug/l	97

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

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