

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011022\
 Data File : VD071651.D
 Acq On : 10 Jan 2022 11:01
 Operator : VA/SY
 Sample : VD0110SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Manual Integrations
 APPROVED

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

Quant Time: Jan 11 04:06:07 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	312556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	533596	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	480355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	221491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	205431	51.081	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.160%			
35) Dibromofluoromethane	7.914	113	173647	49.242	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.480%			
50) Toluene-d8	10.338	98	674786	51.118	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.240%			
62) 4-Bromofluorobenzene	12.626	95	225558	48.491	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.980%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	50596	21.045	ug/l	95
3) Chloromethane	2.215	50	65260	20.398	ug/l	97
4) Vinyl Chloride	2.356	62	75838	19.515	ug/l	97
5) Bromomethane	2.768	94	58069	21.978	ug/l	99
6) Chloroethane	2.926	64	55258	19.953	ug/l	97
7) Trichlorofluoromethane	3.279	101	109764	19.924	ug/l	92
8) Diethyl Ether	3.709	74	29641	20.457	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.103	101	64208	19.940	ug/l	96
10) Methyl Iodide	4.303	142	50908	16.536	ug/l	98
11) Tert butyl alcohol	5.197	59	29075m	82.862	ug/l	
12) 1,1-Dichloroethene	4.073	96	56502	20.221	ug/l	94
13) Acrolein	3.926	56	33608	85.619	ug/l	92
14) Allyl chloride	4.721	41	111604	20.144	ug/l	99
15) Acrylonitrile	5.420	53	75208	98.219	ug/l	99
16) Acetone	4.156	43	89623	96.523	ug/l	97
17) Carbon Disulfide	4.421	76	142845	20.648	ug/l	97
18) Methyl Acetate	4.721	43	60773	22.561	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	146257	19.829	ug/l	95
20) Methylene Chloride	4.968	84	75190	20.343	ug/l #	92
21) trans-1,2-Dichloroethene	5.473	96	64477	20.206	ug/l	98
22) Diisopropyl ether	6.362	45	239360	20.063	ug/l	93
23) Vinyl Acetate	6.309	43	544766	97.848	ug/l	100
24) 1,1-Dichloroethane	6.267	63	138269	20.305	ug/l	99
25) 2-Butanone	7.215	43	102850	93.752	ug/l	95
26) 2,2-Dichloropropane	7.215	77	115083	20.125	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	76783	20.387	ug/l	98
28) Bromochloromethane	7.544	49	64587	19.470	ug/l	98
29) Tetrahydrofuran	7.556	42	63200	100.143	ug/l	99
30) Chloroform	7.709	83	138273	19.857	ug/l	96
31) Cyclohexane	7.991	56	118082	21.396	ug/l #	94
32) 1,1,1-Trichloroethane	7.903	97	125781	20.494	ug/l	97
36) 1,1-Dichloropropene	8.114	75	101987	20.275	ug/l	99
37) Ethyl Acetate	7.291	43	41054	17.585	ug/l #	79
38) Carbon Tetrachloride	8.097	117	103519	20.321	ug/l	95
39) Methylcyclohexane	9.356	83	110538	20.344	ug/l	93
40) Benzene	8.356	78	276614	19.958	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	28952	20.790	ug/l #	93
42) 1,2-Dichloroethane	8.426	62	94876	20.223	ug/l	98
43) Isopropyl Acetate	8.450	43	86955	19.786	ug/l	98
44) Trichloroethene	9.109	130	73047	20.480	ug/l	97
45) 1,2-Dichloropropane	9.385	63	74255	19.819	ug/l	98
46) Dibromomethane	9.473	93	38426	20.038	ug/l	98
47) Bromodichloromethane	9.656	83	110090	20.910	ug/l	98
48) Methyl methacrylate	9.456	41	44673	20.116	ug/l	96
49) 1,4-Dioxane	9.456	88	8153	424.058	ug/l	91
51) 4-Methyl-2-Pentanone	10.226	43	227839	98.149	ug/l	99
52) Toluene	10.403	92	177102	20.300	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	92686	20.068	ug/l	93
54) cis-1,3-Dichloropropene	10.091	75	110301	20.255	ug/l	95
55) 1,1,2-Trichloroethane	10.797	97	53263	21.186	ug/l	95
56) Ethyl methacrylate	10.656	69	61250	19.876	ug/l	98
57) 1,3-Dichloropropane	10.944	76	92067	19.818	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	164557	96.733	ug/l	100
59) 2-Hexanone	10.979	43	160213	98.814	ug/l	100
60) Dibromochloromethane	11.138	129	65580	20.494	ug/l	100
61) 1,2-Dibromoethane	11.244	107	47389	19.702	ug/l	100
64) Tetrachloroethene	10.873	164	60200	21.335	ug/l	97
65) Chlorobenzene	11.667	112	184657	20.089	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	70037	20.095	ug/l	98
67) Ethyl Benzene	11.738	91	345462	20.472	ug/l	100
68) m/p-Xylenes	11.850	106	263474	41.979	ug/l	97
69) o-Xylene	12.173	106	121999	20.537	ug/l	99
70) Styrene	12.191	104	205114	20.144	ug/l	98
71) Bromoform	12.355	173	36667	21.545	ug/l #	100
73) Isopropylbenzene	12.473	105	338245	21.250	ug/l	98
74) N-amyl acetate	12.279	43	79635	20.396	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	59726	21.175	ug/l	97
76) 1,2,3-Trichloropropane	12.779	75	41409m	19.348	ug/l	
77) Bromobenzene	12.749	156	72198	20.999	ug/l	98
78) n-propylbenzene	12.814	91	426065	21.284	ug/l	100
79) 2-Chlorotoluene	12.902	91	234277	20.764	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	275489	20.715	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.520	75	16214	21.121	ug/l	92
82) 4-Chlorotoluene	12.997	91	250042	21.362	ug/l	98
83) tert-Butylbenzene	13.214	119	246697	21.709	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	278231	21.155	ug/l	99
85) sec-Butylbenzene	13.397	105	372487	21.400	ug/l	99
86) p-Isopropyltoluene	13.508	119	301711	21.113	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	148676	20.954	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	147152	20.328	ug/l	99
89) n-Butylbenzene	13.832	91	302823	21.159	ug/l	99
90) Hexachloroethane	14.102	117	60066	21.244	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	127726	21.004	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	9465	20.879	ug/l	92
93) 1,2,4-Trichlorobenzene	15.149	180	76399	21.800	ug/l	95
94) Hexachlorobutadiene	15.255	225	43700	21.270	ug/l	98
95) Naphthalene	15.385	128	126851	20.444	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	63845	21.380	ug/l	99

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

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