

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071222\
 Data File : VD073839.D
 Acq On : 12 Jul 2022 15:27
 Operator : VA/SY
 Sample : VD0712SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0712SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/13/2022
 Supervised By : Mahesh Dadoda 07/13/2022

Quant Time: Jul 13 04:31:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 12 07:04:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	97477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	183183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	172812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	77697	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	61312	46.959	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.920%			
35) Dibromofluoromethane	7.903	113	62226	51.349	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.700%			
50) Toluene-d8	10.332	98	185086	43.801	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 87.600%			
62) 4-Bromofluorobenzene	12.620	95	93226	52.069	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 104.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	13129	23.748	ug/l	93
3) Chloromethane	2.209	50	17403	26.860	ug/l	96
4) Vinyl Chloride	2.344	62	22393	26.369	ug/l	94
5) Bromomethane	2.744	94	16644	26.695	ug/l	96
6) Chloroethane	2.903	64	17346	24.630	ug/l	92
7) Trichlorofluoromethane	3.256	101	30767	22.205	ug/l	98
8) Diethyl Ether	3.697	74	9645	22.091	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.085	101	18294	21.402	ug/l	100
10) Methyl Iodide	4.285	142	12114	21.841	ug/l	99
11) Tert butyl alcohol	5.185	59	31969	110.888	ug/l #	100
12) 1,1-Dichloroethene	4.062	96	14415	21.994	ug/l	95
13) Acrolein	3.920	56	3227	84.183	ug/l #	77
14) Allyl chloride	4.703	41	27633	21.867	ug/l	98
15) Acrylonitrile	5.414	53	26235	104.799	ug/l	97
16) Acetone	4.156	43	22886	102.314	ug/l	91
17) Carbon Disulfide	4.397	76	24339	26.671	ug/l	96
18) Methyl Acetate	4.720	43	14412	23.511	ug/l	99
19) Methyl tert-butyl Ether	5.467	73	53231	21.058	ug/l	95
20) Methylene Chloride	4.956	84	29070	26.016	ug/l	90
21) trans-1,2-Dichloroethene	5.456	96	17062	22.120	ug/l	87
22) Diisopropyl ether	6.361	45	72406	20.990	ug/l	96
23) Vinyl Acetate	6.297	43	184831	104.280	ug/l	99
24) 1,1-Dichloroethane	6.256	63	42153	22.368	ug/l	98
25) 2-Butanone	7.208	43	34109	101.362	ug/l	96
26) 2,2-Dichloropropane	7.203	77	35643	19.866	ug/l	99
27) cis-1,2-Dichloroethene	7.203	96	24709	22.317	ug/l	93
28) Bromochloromethane	7.538	49	15209	19.788	ug/l	98
29) Tetrahydrofuran	7.556	42	20863	104.091	ug/l	98
30) Chloroform	7.703	83	46786	22.087	ug/l	95
31) Cyclohexane	7.979	56	27055	22.317	ug/l	94
32) 1,1,1-Trichloroethane	7.897	97	37333	21.079	ug/l	96
36) 1,1-Dichloropropene	8.103	75	28468	23.218	ug/l	98
37) Ethyl Acetate	7.285	43	15967	21.275	ug/l	98
38) Carbon Tetrachloride	8.091	117	29971	21.403	ug/l	94
39) Methylcyclohexane	9.350	83	28562	22.505	ug/l	89
40) Benzene	8.344	78	81055	22.205	ug/l	98

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	9493	19.308	ug/l #	85
42) 1,2-Dichloroethane	8.414	62	29571	22.746	ug/l	99
43) Isopropyl Acetate	8.444	43	31110	21.075	ug/l	97
44) Trichloroethene	9.102	130	21179	22.235	ug/l	98
45) 1,2-Dichloropropane	9.379	63	24382	22.573	ug/l	90
46) Dibromomethane	9.461	93	13678	23.270	ug/l	99
47) Bromodichloromethane	9.650	83	36847	22.164	ug/l	91
48) Methyl methacrylate	9.450	41	13865	20.678	ug/l	98
49) 1,4-Dioxane	9.450	88	3143	418.297	ug/l	92
51) 4-Methyl-2-Pentanone	10.220	43	79258	100.757	ug/l	97
52) Toluene	10.391	92	53675	21.897	ug/l	100
53) t-1,3-Dichloropropene	10.608	75	32173	21.059	ug/l	90
54) cis-1,3-Dichloropropene	10.079	75	35792	21.191	ug/l	94
55) 1,1,2-Trichloroethane	10.785	97	19000	21.481	ug/l	95
56) Ethyl methacrylate	10.655	69	22004	20.562	ug/l	93
57) 1,3-Dichloropropane	10.938	76	32742	21.786	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	40410	94.799	ug/l	100
59) 2-Hexanone	10.973	43	54046	100.919	ug/l	99
60) Dibromochloromethane	11.132	129	23337	21.271	ug/l	100
61) 1,2-Dibromoethane	11.232	107	17333	21.816	ug/l	95
64) Tetrachloroethene	10.867	164	15962	21.450	ug/l	93
65) Chlorobenzene	11.661	112	61332	21.467	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.732	131	23726	20.915	ug/l	98
67) Ethyl Benzene	11.738	91	108217	20.302	ug/l	96
68) m/p-Xylenes	11.844	106	80848	41.358	ug/l	96
69) o-Xylene	12.167	106	40330	20.809	ug/l	98
70) Styrene	12.185	104	67074	19.987	ug/l	98
71) Bromoform	12.344	173	12184	20.707	ug/l #	100
73) Isopropylbenzene	12.467	105	107580	20.261	ug/l	99
74) N-amyl acetate	12.279	43	28981	19.891	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	23336	21.135	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	16425m	19.541	ug/l	
77) Bromobenzene	12.749	156	22768	20.461	ug/l	98
78) n-propylbenzene	12.808	91	141251	21.061	ug/l	99
79) 2-Chlorotoluene	12.896	91	78701	20.404	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	94377	21.320	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	6723	21.021	ug/l	93
82) 4-Chlorotoluene	12.991	91	84515	20.950	ug/l	99
83) tert-Butylbenzene	13.208	119	80359	20.600	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	92188	20.759	ug/l	99
85) sec-Butylbenzene	13.385	105	125171	20.638	ug/l	100
86) p-Isopropyltoluene	13.502	119	99273	20.327	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	48928	20.457	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	49276	21.038	ug/l	99
89) n-Butylbenzene	13.826	91	104002	21.222	ug/l	99
90) Hexachloroethane	14.096	117	19787	20.929	ug/l	95
91) 1,2-Dichlorobenzene	13.873	146	42834	20.335	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.490	75	3660	19.771	ug/l	98
93) 1,2,4-Trichlorobenzene	15.143	180	24034	20.023	ug/l	99
94) Hexachlorobutadiene	15.249	225	11207	19.622	ug/l	98
95) Naphthalene	15.379	128	51727	19.740	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	20074	19.237	ug/l	97

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

