

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111621\
 Data File : VD071041.D
 Acq On : 16 Nov 2021 13:24
 Operator : VA/SY
 Sample : VD1116SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 11/17/2021
 Supervised By :Mahesh Dadoda 11/18/2021

Quant Time: Nov 17 03:23:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	228217	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	393027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	358633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	165269	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	126409	52.024	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.040%	
35) Dibromofluoromethane	7.914	113	117149	52.823	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.640%	
50) Toluene-d8	10.338	98	437432	50.364	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.720%	
62) 4-Bromofluorobenzene	12.626	95	152826	48.869	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.740%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	40677	20.862	ug/l	94
3) Chloromethane	2.209	50	52585	22.664	ug/l	94
4) Vinyl Chloride	2.350	62	58174	26.071	ug/l	94
5) Bromomethane	2.756	94	36943	24.290	ug/l	99
6) Chloroethane	2.921	64	38695	27.000	ug/l	97
7) Trichlorofluoromethane	3.273	101	74576	20.767	ug/l	95
8) Diethyl Ether	3.715	74	20265	17.051	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.097	101	43532	19.665	ug/l	95
10) Methyl Iodide	4.303	142	38141	18.696	ug/l	94
11) Tert butyl alcohol	5.185	59	33241	187.189	ug/l #	71
12) 1,1-Dichloroethene	4.068	96	39358	18.161	ug/l	88
13) Acrolein	3.920	56	4494	79.137	ug/l	97
14) Allyl chloride	4.709	41	76105	16.860	ug/l #	79
15) Acrylonitrile	5.420	53	48248	84.838	ug/l	96
16) Acetone	4.156	43	48781	88.249	ug/l	89
17) Carbon Disulfide	4.409	76	120908	17.279	ug/l	95
18) Methyl Acetate	4.715	43	37602	18.038	ug/l	92
19) Methyl tert-butyl Ether	5.467	73	96257	17.206	ug/l	100
20) Methylene Chloride	4.967	84	57073	20.408	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	44698	17.995	ug/l	95
22) Diisopropyl ether	6.362	45	154458	17.212	ug/l #	90
23) Vinyl Acetate	6.303	43	353097	88.514	ug/l	99
24) 1,1-Dichloroethane	6.262	63	85035	17.741	ug/l	98
25) 2-Butanone	7.209	43	66108	91.974	ug/l	89
26) 2,2-Dichloropropane	7.209	77	75457	18.654	ug/l	96
27) cis-1,2-Dichloroethene	7.209	96	49672	17.494	ug/l	89
28) Bromochloromethane	7.550	49	43655	21.474	ug/l	87
29) Tetrahydrofuran	7.567	42	41651	84.365	ug/l	93
30) Chloroform	7.709	83	85900	18.850	ug/l	100
31) Cyclohexane	7.985	56	85193	17.049	ug/l	96
32) 1,1,1-Trichloroethane	7.897	97	75741	19.352	ug/l	95
36) 1,1-Dichloropropene	8.114	75	65792	18.749	ug/l	97
37) Ethyl Acetate	7.291	43	28493	17.797	ug/l #	94
38) Carbon Tetrachloride	8.097	117	62997	19.494	ug/l	98
39) Methylcyclohexane	9.355	83	80986	17.870	ug/l	94
40) Benzene	8.350	78	179807	18.195	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	20995m	20.202	ug/l	
42) 1,2-Dichloroethane	8.426	62	54466	19.458	ug/l	95
43) Isopropyl Acetate	8.450	43	58974	17.405	ug/l #	89
44) Trichloroethene	9.114	130	46661	18.318	ug/l	98
45) 1,2-Dichloropropane	9.385	63	48410	18.113	ug/l	100
46) Dibromomethane	9.473	93	24355	19.145	ug/l	94
47) Bromodichloromethane	9.655	83	63392	18.840	ug/l #	95
48) Methyl methacrylate	9.455	41	28833	17.347	ug/l #	81
49) 1,4-Dioxane	9.467	88	5198	352.663	ug/l #	84
51) 4-Methyl-2-Pentanone	10.226	43	143953	87.633	ug/l	90
52) Toluene	10.397	92	114606	18.397	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	59552	17.551	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	70391	17.592	ug/l #	79
55) 1,1,2-Trichloroethane	10.797	97	32881	18.806	ug/l	96
56) Ethyl methacrylate	10.655	69	39894	16.127	ug/l #	73
57) 1,3-Dichloropropane	10.938	76	56618	17.832	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	125514	97.596	ug/l	99
59) 2-Hexanone	10.979	43	98046	87.397	ug/l	88
60) Dibromochloromethane	11.132	129	38577	18.392	ug/l	99
61) 1,2-Dibromoethane	11.238	107	29944	17.607	ug/l	97
64) Tetrachloroethene	10.873	164	39769	19.017	ug/l	92
65) Chlorobenzene	11.661	112	117089	18.299	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	42671	18.788	ug/l	98
67) Ethyl Benzene	11.738	91	217962	17.987	ug/l	99
68) m/p-Xylenes	11.844	106	164128	36.239	ug/l	96
69) o-Xylene	12.173	106	78863	18.307	ug/l	99
70) Styrene	12.185	104	131091	17.972	ug/l	97
71) Bromoform	12.355	173	21526	18.175	ug/l #	95
73) Isopropylbenzene	12.473	105	207713	17.446	ug/l	99
74) N-amyl acetate	12.279	43	52550	15.449	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	36771	17.943	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	25330m	17.943	ug/l	
77) Bromobenzene	12.749	156	45612	17.930	ug/l	96
78) n-propylbenzene	12.808	91	260967	17.689	ug/l	100
79) 2-Chlorotoluene	12.896	91	146717	17.442	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	171790	17.524	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	10325	16.498	ug/l #	78
82) 4-Chlorotoluene	12.996	91	151023	17.396	ug/l	99
83) tert-Butylbenzene	13.214	119	146113	17.302	ug/l	95
84) 1,2,4-Trimethylbenzene	13.261	105	171518	17.865	ug/l	96
85) sec-Butylbenzene	13.391	105	224020	17.646	ug/l	98
86) p-Isopropyltoluene	13.502	119	183614	18.012	ug/l	98
87) 1,3-Dichlorobenzene	13.508	146	91984	18.493	ug/l	97
88) 1,4-Dichlorobenzene	13.585	146	92019	18.477	ug/l	99
89) n-Butylbenzene	13.832	91	179992	17.569	ug/l	98
90) Hexachloroethane	14.102	117	33409	16.561	ug/l	95
91) 1,2-Dichlorobenzene	13.879	146	78688	18.258	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	5002	14.882	ug/l	90
93) 1,2,4-Trichlorobenzene	15.143	180	48918	17.740	ug/l	98
94) Hexachlorobutadiene	15.249	225	25923	18.640	ug/l	98
95) Naphthalene	15.385	128	85760	16.288	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	41788	18.023	ug/l	98

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

