

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111521\
 Data File : VD071023.D
 Acq On : 15 Nov 2021 12:29
 Operator : VA/SY
 Sample : VD1115SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS01

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 11/15/2021
 Supervised By :Mahesh Dadoda 11/17/2021

Quant Time: Nov 15 14:36:45 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	249898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	429008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	390014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	178774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	131198	49.310	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.620%		
35) Dibromofluoromethane	7.914	113	120761	49.885	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.760%		
50) Toluene-d8	10.338	98	457293	48.235	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.480%		
62) 4-Bromofluorobenzene	12.626	95	159755	46.800	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	43081	20.178	ug/l	97
3) Chloromethane	2.209	50	54500	21.452	ug/l	100
4) Vinyl Chloride	2.350	62	58455	23.924	ug/l	100
5) Bromomethane	2.762	94	39851	23.929	ug/l	97
6) Chloroethane	2.920	64	38070	24.260	ug/l	95
7) Trichlorofluoromethane	3.273	101	75366	19.166	ug/l	95
8) Diethyl Ether	3.709	74	20450	15.714	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.103	101	44782	18.475	ug/l	95
10) Methyl Iodide	4.309	142	40192	18.219	ug/l	97
11) Tert butyl alcohol	5.191	59	32217	165.682	ug/l #	71
12) 1,1-Dichloroethene	4.067	96	40540	17.084	ug/l	89
13) Acrolein	3.932	56	4988	80.290	ug/l	90
14) Allyl chloride	4.714	41	74695	15.112	ug/l #	78
15) Acrylonitrile	5.426	53	49607	79.660	ug/l	97
16) Acetone	4.156	43	49140	82.770	ug/l	91
17) Carbon Disulfide	4.409	76	127640	16.658	ug/l	95
18) Methyl Acetate	4.720	43	37971	16.635	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	99463	16.236	ug/l	99
20) Methylene Chloride	4.973	84	53465	17.397	ug/l	93
21) trans-1,2-Dichloroethene	5.473	96	45815	16.844	ug/l	91
22) Diisopropyl ether	6.361	45	155819	15.857	ug/l	92
23) Vinyl Acetate	6.308	43	365074	84.747	ug/l	95
24) 1,1-Dichloroethane	6.267	63	89962	17.141	ug/l	98
25) 2-Butanone	7.208	43	65720	85.378	ug/l	95
26) 2,2-Dichloropropane	7.208	77	78890	17.810	ug/l	95
27) cis-1,2-Dichloroethene	7.208	96	51189	16.464	ug/l	91
28) Bromochloromethane	7.544	49	44879	20.161	ug/l	91
29) Tetrahydrofuran	7.567	42	42769	79.113	ug/l	90
30) Chloroform	7.708	83	87883	17.612	ug/l	88
31) Cyclohexane	7.985	56	90160	16.478	ug/l	96
32) 1,1,1-Trichloroethane	7.902	97	77879	18.172	ug/l	95
36) 1,1-Dichloropropene	8.108	75	66869	17.458	ug/l	99
37) Ethyl Acetate	7.291	43	30152	17.254	ug/l #	76
38) Carbon Tetrachloride	8.097	117	66316	18.800	ug/l	99
39) Methylcyclohexane	9.355	83	84892	17.160	ug/l	93
40) Benzene	8.350	78	188984	17.519	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	18270	16.789	ug/l #	74
42) 1,2-Dichloroethane	8.420	62	56910	18.626	ug/l	96
43) Isopropyl Acetate	8.450	43	61773	16.702	ug/l #	89
44) Trichloroethene	9.108	130	49542	17.818	ug/l	96
45) 1,2-Dichloropropane	9.385	63	48417	16.597	ug/l	99
46) Dibromomethane	9.473	93	24749	17.823	ug/l	96
47) Bromodichloromethane	9.655	83	65959	17.959	ug/l	94
48) Methyl methacrylate	9.449	41	30502	16.812	ug/l	85
49) 1,4-Dioxane	9.455	88	5521	343.161	ug/l	92
51) 4-Methyl-2-Pentanone	10.226	43	145544	81.171	ug/l	90
52) Toluene	10.402	92	117992	17.352	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	61961	16.729	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	73121	16.742	ug/l #	80
55) 1,1,2-Trichloroethane	10.796	97	32288	16.918	ug/l	91
56) Ethyl methacrylate	10.655	69	41827	15.490	ug/l #	73
57) 1,3-Dichloropropane	10.943	76	59451	17.154	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	137549	97.983	ug/l	99
59) 2-Hexanone	10.979	43	102110	84.117	ug/l	88
60) Dibromochloromethane	11.132	129	39932	17.441	ug/l	99
61) 1,2-Dibromoethane	11.243	107	31800	17.130	ug/l	99
64) Tetrachloroethene	10.873	164	39754	17.480	ug/l	94
65) Chlorobenzene	11.667	112	122542	17.610	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.738	131	43405	17.574	ug/l	99
67) Ethyl Benzene	11.738	91	221352	16.797	ug/l	98
68) m/p-Xylenes	11.849	106	168800	34.272	ug/l	94
69) o-Xylene	12.173	106	78771	16.814	ug/l	94
70) Styrene	12.190	104	135127	17.035	ug/l	96
71) Bromoform	12.349	173	21423	16.633	ug/l #	96
73) Isopropylbenzene	12.473	105	222331	17.263	ug/l	97
74) N-amyl acetate	12.285	43	54190	14.728	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	35021	15.798	ug/l	94
76) 1,2,3-Trichloropropane	12.773	75	31416m	20.572	ug/l	
77) Bromobenzene	12.749	156	47748	17.352	ug/l	99
78) n-propylbenzene	12.814	91	268092	16.799	ug/l	99
79) 2-Chlorotoluene	12.896	91	151156	16.612	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	175838	16.582	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	10483	15.691	ug/l #	75
82) 4-Chlorotoluene	12.996	91	155003	16.506	ug/l	100
83) tert-Butylbenzene	13.214	119	150909	16.520	ug/l	95
84) 1,2,4-Trimethylbenzene	13.261	105	180938	17.423	ug/l	96
85) sec-Butylbenzene	13.390	105	230500	16.784	ug/l	99
86) p-Isopropyltoluene	13.502	119	186813	16.941	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	94154	17.500	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	92041	17.086	ug/l	97
89) n-Butylbenzene	13.832	91	187818	16.948	ug/l	99
90) Hexachloroethane	14.096	117	35101	16.086	ug/l	93
91) 1,2-Dichlorobenzene	13.879	146	79527	17.058	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	5255	14.454	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	49520	16.602	ug/l	97
94) Hexachlorobutadiene	15.249	225	26047	17.315	ug/l	97
95) Naphthalene	15.384	128	86152	15.126	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	40911	16.312	ug/l	95

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

