

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110821\
 Data File : VD070937.D
 Acq On : 08 Nov 2021 15:54
 Operator : VA/SY
 Sample : VD1108SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/Soil
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1108SBS01

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 11/09/2021
 Supervised By :Mahesh Dadoda 11/10/2021

Quant Time: Nov 09 02:33:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 08 13:56:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	433411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	761155	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	682806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	308779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	237312	44.582	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.160%		
35) Dibromofluoromethane	7.909	113	219064	45.941	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.880%		
50) Toluene-d8	10.332	98	875336	47.224	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.440%		
62) 4-Bromofluorobenzene	12.620	95	314158	44.897	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	85300	18.337	ug/l	97
3) Chloromethane	2.209	50	88185	19.127	ug/l	99
4) Vinyl Chloride	2.350	62	84252	18.880	ug/l	97
5) Bromomethane	2.750	94	58011	21.285	ug/l	98
6) Chloroethane	2.915	64	50720	18.183	ug/l	95
7) Trichlorofluoromethane	3.268	101	145329	17.697	ug/l	96
8) Diethyl Ether	3.703	74	44699	19.288	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.091	101	85646	18.273	ug/l	97
10) Methyl Iodide	4.297	142	78172	17.230	ug/l	99
11) Tert butyl alcohol	5.215	59	31302	90.791	ug/l #	85
12) 1,1-Dichloroethene	4.068	96	83247	18.402	ug/l #	80
13) Acrolein	3.921	56	14164	129.624	ug/l	97
14) Allyl chloride	4.715	41	173653	18.262	ug/l	87
15) Acrylonitrile	5.420	53	103307	100.494	ug/l	98
16) Acetone	4.150	43	92987	84.745	ug/l	90
17) Carbon Disulfide	4.409	76	275786	18.902	ug/l	100
18) Methyl Acetate	4.721	43	78816	20.171	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	204824	18.207	ug/l	100
20) Methylene Chloride	4.962	84	153194	26.397	ug/l	92
21) trans-1,2-Dichloroethene	5.473	96	95723	18.687	ug/l	88
22) Diisopropyl ether	6.362	45	332159	19.115	ug/l	94
23) Vinyl Acetate	6.303	43	783269	96.106	ug/l	97
24) 1,1-Dichloroethane	6.256	63	178167	18.017	ug/l	100
25) 2-Butanone	7.209	43	137248	93.040	ug/l	89
26) 2,2-Dichloropropane	7.209	77	156387	17.155	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	105354	18.421	ug/l	92
28) Bromochloromethane	7.544	49	80464	20.341	ug/l	88
29) Tetrahydrofuran	7.562	42	89514	99.463	ug/l	92
30) Chloroform	7.709	83	169969	17.723	ug/l	99
31) Cyclohexane	7.985	56	195839	18.808	ug/l	96
32) 1,1,1-Trichloroethane	7.903	97	150411	16.979	ug/l	96
36) 1,1-Dichloropropene	8.109	75	139636	17.955	ug/l	98
37) Ethyl Acetate	7.291	43	61762	19.445	ug/l #	94
38) Carbon Tetrachloride	8.097	117	124586	16.501	ug/l	99
39) Methylcyclohexane	9.350	83	179202	17.949	ug/l	99
40) Benzene	8.344	78	382772	18.552	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.515	41	37365	17.895	ug/l #	83
42) 1,2-Dichloroethane	8.420	62	106852	16.825	ug/l	96
43) Isopropyl Acetate	8.450	43	127353	18.726	ug/l #	90
44) Trichloroethene	9.109	130	98521	17.766	ug/l	94
45) 1,2-Dichloropropane	9.379	63	99868	18.450	ug/l	98
46) Dibromomethane	9.467	93	47305	17.678	ug/l	95
47) Bromodichloromethane	9.656	83	127142	17.381	ug/l	97
48) Methyl methacrylate	9.450	41	64308	18.317	ug/l	84
49) 1,4-Dioxane	9.456	88	10955	368.253	ug/l	88
51) 4-Methyl-2-Pentanone	10.220	43	309914	96.881	ug/l	92
52) Toluene	10.397	92	235764	17.880	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	129520	17.762	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	150288	17.696	ug/l #	86
55) 1,1,2-Trichloroethane	10.791	97	66735	19.036	ug/l	94
56) Ethyl methacrylate	10.656	69	94222	18.363	ug/l #	77
57) 1,3-Dichloropropane	10.938	76	119309	18.422	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	273644	111.331	ug/l	99
59) 2-Hexanone	10.979	43	220372	92.742	ug/l	91
60) Dibromochloromethane	11.132	129	78286	17.497	ug/l	99
61) 1,2-Dibromoethane	11.238	107	62556	17.913	ug/l	97
64) Tetrachloroethene	10.873	164	76930	16.941	ug/l	94
65) Chlorobenzene	11.661	112	238857	17.734	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	86449	17.513	ug/l	98
67) Ethyl Benzene	11.738	91	456884	17.558	ug/l	98
68) m/p-Xylenes	11.844	106	342595	35.593	ug/l	95
69) o-Xylene	12.173	106	162834	17.664	ug/l	97
70) Styrene	12.185	104	273894	17.974	ug/l	97
71) Bromoform	12.350	173	43132	17.636	ug/l #	97
73) Isopropylbenzene	12.467	105	431881	17.033	ug/l	99
74) N-amyl acetate	12.279	43	123787	18.608	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.720	83	75451	19.498	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	58521m	18.810	ug/l	
77) Bromobenzene	12.750	156	90845	17.363	ug/l	92
78) n-propylbenzene	12.808	91	542141	17.506	ug/l	100
79) 2-Chlorotoluene	12.897	91	301393	16.944	ug/l	99
80) 1,3,5-Trimethylbenzene	12.950	105	356607	16.953	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	23681	18.060	ug/l	89
82) 4-Chlorotoluene	12.997	91	317415	17.269	ug/l	98
83) tert-Butylbenzene	13.208	119	308702	17.034	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	348257	17.026	ug/l	97
85) sec-Butylbenzene	13.391	105	471455	17.527	ug/l	100
86) p-Isopropyltoluene	13.502	119	376367	17.098	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	179517	17.552	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	178357	17.605	ug/l	98
89) n-Butylbenzene	13.832	91	382361	17.591	ug/l	99
90) Hexachloroethane	14.097	117	72338	16.716	ug/l	91
91) 1,2-Dichlorobenzene	13.873	146	153811	17.497	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.485	75	11285	15.727	ug/l	99
93) 1,2,4-Trichlorobenzene	15.144	180	99967	17.641	ug/l	96
94) Hexachlorobutadiene	15.249	225	51595	16.824	ug/l	99
95) Naphthalene	15.379	128	191564	18.208	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	82839	17.419	ug/l	97

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

