

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111621\
 Data File : VD071040.D
 Acq On : 16 Nov 2021 12:56
 Operator : VA/SY
 Sample : VD1116SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Quant Time: Nov 17 03:23:02 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	220573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	381596	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	349347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	158849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	126152	53.717	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.440%			
35) Dibromofluoromethane	7.914	113	117978	54.790	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.580%			
50) Toluene-d8	10.338	98	433934	51.458	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.920%			
62) 4-Bromofluorobenzene	12.626	95	153641	50.602	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	38509	20.434	ug/l	88
3) Chloromethane	2.215	50	51843	23.119	ug/l	97
4) Vinyl Chloride	2.350	62	56855	26.363	ug/l	99
5) Bromomethane	2.756	94	40141	27.307	ug/l	97
6) Chloroethane	2.920	64	37112	26.793	ug/l	95
7) Trichlorofluoromethane	3.279	101	74358	21.424	ug/l	91
8) Diethyl Ether	3.715	74	19294	16.797	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.091	101	42618	19.920	ug/l	97
10) Methyl Iodide	4.309	142	34170	17.770	ug/l	94
11) Tert butyl alcohol	5.203	59	32548	189.638	ug/l #	83
12) 1,1-Dichloroethene	4.067	96	37218	17.769	ug/l	82
13) Acrolein	3.920	56	4990	91.732	ug/l	99
14) Allyl chloride	4.714	41	75432	17.290	ug/l #	82
15) Acrylonitrile	5.420	53	46113	83.894	ug/l	96
16) Acetone	4.162	43	45871	86.397	ug/l #	87
17) Carbon Disulfide	4.409	76	119367	17.650	ug/l	99
18) Methyl Acetate	4.720	43	37361	18.544	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	92542	17.115	ug/l	97
20) Methylene Chloride	4.962	84	56444	20.892	ug/l	92
21) trans-1,2-Dichloroethene	5.473	96	42368	17.648	ug/l #	81
22) Diisopropyl ether	6.367	45	149017	17.181	ug/l	91
23) Vinyl Acetate	6.303	43	341651	88.589	ug/l #	92
24) 1,1-Dichloroethane	6.267	63	84362	18.211	ug/l	99
25) 2-Butanone	7.208	43	61249	89.010	ug/l	89
26) 2,2-Dichloropropane	7.208	77	72621	18.575	ug/l	96
27) cis-1,2-Dichloroethene	7.208	96	48989	17.851	ug/l	93
28) Bromochloromethane	7.544	49	42919	21.843	ug/l	87
29) Tetrahydrofuran	7.561	42	39704	83.208	ug/l	92
30) Chloroform	7.708	83	83801	19.027	ug/l	96
31) Cyclohexane	7.985	56	82181	17.016	ug/l #	93
32) 1,1,1-Trichloroethane	7.903	97	73381	19.399	ug/l #	93
36) 1,1-Dichloropropene	8.114	75	64841	19.031	ug/l	96
37) Ethyl Acetate	7.297	43	28684	18.453	ug/l #	75
38) Carbon Tetrachloride	8.097	117	62791	20.013	ug/l	97
39) Methylcyclohexane	9.355	83	76997	17.498	ug/l	96
40) Benzene	8.350	78	180873	18.851	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	17912	18.159	ug/l #	64
42) 1,2-Dichloroethane	8.426	62	54830	20.175	ug/l	94
43) Isopropyl Acetate	8.450	43	56176	17.076	ug/l #	90
44) Trichloroethene	9.108	130	47101	19.045	ug/l	95
45) 1,2-Dichloropropane	9.385	63	45965	17.714	ug/l	96
46) Dibromomethane	9.473	93	23392	18.939	ug/l	96
47) Bromodichloromethane	9.655	83	62199	19.039	ug/l	100
48) Methyl methacrylate	9.455	41	28264	17.514	ug/l #	83
49) 1,4-Dioxane	9.467	88	5029	351.418	ug/l #	88
51) 4-Methyl-2-Pentanone	10.220	43	135784	85.136	ug/l	91
52) Toluene	10.402	92	110037	18.193	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	56238	17.071	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	68598	17.658	ug/l #	77
55) 1,1,2-Trichloroethane	10.791	97	31181	18.368	ug/l	92
56) Ethyl methacrylate	10.655	69	38845	16.173	ug/l #	72
57) 1,3-Dichloropropane	10.938	76	56194	18.229	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	138386	110.828	ug/l	100
59) 2-Hexanone	10.979	43	93396	86.047	ug/l	89
60) Dibromochloromethane	11.138	129	37784	18.554	ug/l	97
61) 1,2-Dibromoethane	11.244	107	28207	17.082	ug/l	96
64) Tetrachloroethene	10.873	164	36622	17.977	ug/l	89
65) Chlorobenzene	11.661	112	113864	18.268	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.738	131	40917	18.495	ug/l	99
67) Ethyl Benzene	11.738	91	214524	18.174	ug/l	99
68) m/p-Xylenes	11.844	106	158474	35.921	ug/l	96
69) o-Xylene	12.173	106	74756	17.814	ug/l	96
70) Styrene	12.185	104	129171	18.180	ug/l	97
71) Bromoform	12.355	173	20047	17.376	ug/l #	98
73) Isopropylbenzene	12.473	105	200210	17.495	ug/l	99
74) N-amyl acetate	12.279	43	48807	14.929	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.720	83	34144	17.334	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	23610m	17.400	ug/l	
77) Bromobenzene	12.755	156	42659	17.447	ug/l	94
78) n-propylbenzene	12.814	91	253459	17.875	ug/l	99
79) 2-Chlorotoluene	12.896	91	139964	17.311	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	164326	17.440	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	9461	15.885	ug/l #	75
82) 4-Chlorotoluene	12.996	91	146645	17.574	ug/l	99
83) tert-Butylbenzene	13.214	119	139287	17.161	ug/l	94
84) 1,2,4-Trimethylbenzene	13.261	105	162586	17.619	ug/l	98
85) sec-Butylbenzene	13.390	105	216292	17.725	ug/l	99
86) p-Isopropyltoluene	13.508	119	175915	17.954	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	88537	18.520	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	89489	18.696	ug/l	98
89) n-Butylbenzene	13.832	91	172668	17.535	ug/l	99
90) Hexachloroethane	14.102	117	32661	16.845	ug/l	93
91) 1,2-Dichlorobenzene	13.879	146	74473	17.978	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	5557	17.202	ug/l	90
93) 1,2,4-Trichlorobenzene	15.149	180	45602	17.206	ug/l	99
94) Hexachlorobutadiene	15.255	225	24855	18.595	ug/l	97
95) Naphthalene	15.384	128	77930	15.399	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	39054	17.525	ug/l	97

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

