

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022123\
 Data File : VD075391.D
 Acq On : 21 Feb 2023 20:01
 Operator : KP/SY
 Sample : VD0221SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0221SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/22/2023
 Supervised By :Mahesh Dadoda 02/22/2023

Quant Time: Feb 22 00:55:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022123S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 21 16:26:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	55122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	90238	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	80825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	39586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	24255	51.179	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.360%			
35) Dibromofluoromethane	7.804	113	25889	48.328	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.660%			
50) Toluene-d8	10.269	98	88753	45.908	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.820%			
62) 4-Bromofluorobenzene	12.575	95	31144	47.975	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.960%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	13767	22.341	ug/l	92
3) Chloromethane	2.146	50	18996	21.068	ug/l	93
4) Vinyl Chloride	2.281	62	19360	20.227	ug/l	97
5) Bromomethane	2.693	94	11165	20.542	ug/l	97
6) Chloroethane	2.834	64	12528	18.941	ug/l	98
7) Trichlorofluoromethane	3.175	101	23140	20.583	ug/l	92
8) Diethyl Ether	3.593	74	5277	20.160	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.963	101	13129	20.490	ug/l	98
10) Methyl Iodide	4.163	142	10669	19.148	ug/l	97
11) Tert butyl alcohol	5.034	59	2939m	66.002	ug/l	
12) 1,1-Dichloroethene	3.946	96	12479	20.890	ug/l	97
13) Acrolein	3.787	56	929	70.406	ug/l #	16
14) Allyl chloride	4.563	41	19503	20.646	ug/l	98
15) Acrylonitrile	5.258	53	12782	101.139	ug/l	99
16) Acetone	4.028	43	12001	84.123	ug/l	93
17) Carbon Disulfide	4.275	76	42354	20.131	ug/l	98
18) Methyl Acetate	4.569	43	8686	19.430	ug/l	96
19) Methyl tert-butyl Ether	5.310	73	24533	20.285	ug/l	99
20) Methylene Chloride	4.810	84	17412	21.898	ug/l	96
21) trans-1,2-Dichloroethene	5.316	96	13223	19.803	ug/l	95
22) Diisopropyl ether	6.216	45	37255	20.647	ug/l #	96
23) Vinyl Acetate	6.157	43	64607	123.376	ug/l	96
24) 1,1-Dichloroethane	6.116	63	24490	20.668	ug/l	97
25) 2-Butanone	7.087	43	16128	90.654	ug/l	92
26) 2,2-Dichloropropane	7.075	77	21059	20.435	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	14861	20.922	ug/l	98
28) Bromochloromethane	7.422	49	5626	21.034	ug/l #	93
29) Tetrahydrofuran	7.452	42	9512	94.796	ug/l	95
30) Chloroform	7.599	83	24602	20.676	ug/l	95
31) Cyclohexane	7.887	56	22137	19.787	ug/l	93
32) 1,1,1-Trichloroethane	7.793	97	22979	20.979	ug/l	98
36) 1,1-Dichloropropene	8.010	75	19410	20.216	ug/l	97
37) Ethyl Acetate	7.169	43	7218	19.209	ug/l #	94
38) Carbon Tetrachloride	7.993	117	19573	20.346	ug/l	94
39) Methylcyclohexane	9.275	83	21714	19.187	ug/l	88
40) Benzene	8.257	78	52975	20.155	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	4040	18.747	ug/l	92
42) 1,2-Dichloroethane	8.322	62	15133	20.620	ug/l	97
43) Isopropyl Acetate	8.363	43	13671	19.363	ug/l #	82
44) Trichloroethene	9.034	130	14315	20.330	ug/l	95
45) 1,2-Dichloropropane	9.310	63	13652	21.299	ug/l	96
46) Dibromomethane	9.398	93	7072	20.263	ug/l	95
47) Bromodichloromethane	9.587	83	18142	20.427	ug/l	93
48) Methyl methacrylate	9.381	41	6962	19.616	ug/l	95
49) 1,4-Dioxane	9.398	88	1121	374.518	ug/l #	21
51) 4-Methyl-2-Pentanone	10.163	43	33889	94.777	ug/l	100
52) Toluene	10.334	92	33848	20.916	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	15518	21.342	ug/l	98
54) cis-1,3-Dichloropropene	10.022	75	17995	20.414	ug/l	94
55) 1,1,2-Trichloroethane	10.734	97	9124	20.179	ug/l	94
56) Ethyl methacrylate	10.598	69	9580	19.040	ug/l	98
57) 1,3-Dichloropropane	10.881	76	15895	20.410	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.875	63	13203	121.495	ug/l	98
59) 2-Hexanone	10.928	43	23331	92.467	ug/l	99
60) Dibromochloromethane	11.075	129	11929	20.635	ug/l	96
61) 1,2-Dibromoethane	11.181	107	8859	20.663	ug/l	100
64) Tetrachloroethene	10.810	164	12093	20.903	ug/l	96
65) Chlorobenzene	11.610	112	34914	20.653	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.687	131	12635	20.582	ug/l	98
67) Ethyl Benzene	11.687	91	63807	20.812	ug/l	100
68) m/p-Xylenes	11.798	106	49176	40.921	ug/l	98
69) o-Xylene	12.122	106	21859	19.861	ug/l	100
70) Styrene	12.139	104	37592	20.465	ug/l	98
71) Bromoform	12.298	173	6390	20.311	ug/l #	99
73) Isopropylbenzene	12.422	105	60305	20.204	ug/l	98
74) N-amyl acetate	12.239	43	12683	19.848	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	10126	20.244	ug/l	95
76) 1,2,3-Trichloropropane	12.722	75	6768m	21.402	ug/l	
77) Bromobenzene	12.704	156	13372	19.821	ug/l	98
78) n-propylbenzene	12.769	91	76085	20.372	ug/l	100
79) 2-Chlorotoluene	12.851	91	40791	20.226	ug/l	97
80) 1,3,5-Trimethylbenzene	12.910	105	50797	20.564	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.475	75	2309	22.485	ug/l	89
82) 4-Chlorotoluene	12.951	91	42901	20.163	ug/l	95
83) tert-Butylbenzene	13.169	119	44554	20.806	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	50156	20.557	ug/l	100
85) sec-Butylbenzene	13.351	105	65347	19.809	ug/l	99
86) p-Isopropyltoluene	13.463	119	54955	20.505	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	28307	20.372	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	28474	20.887	ug/l	98
89) n-Butylbenzene	13.792	91	51617	19.578	ug/l	98
90) Hexachloroethane	14.057	117	10690	19.884	ug/l	99
91) 1,2-Dichlorobenzene	13.834	146	23920	20.531	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1450	20.088	ug/l	98
93) 1,2,4-Trichlorobenzene	15.104	180	14436	20.378	ug/l	94
94) Hexachlorobutadiene	15.210	225	8129	19.824	ug/l	96
95) Naphthalene	15.339	128	23374	18.650	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	11352	18.951	ug/l	97

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

