

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022223\
 Data File : VD075397.D
 Acq On : 22 Feb 2023 13:17
 Operator : KP/SY
 Sample : VD0222SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0222SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023

Quant Time: Feb 22 22:36:42 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	54454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	88461	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	82250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	40558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	24816	53.126	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.260%			
35) Dibromofluoromethane	7.805	113	26045	49.596	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.200%			
50) Toluene-d8	10.269	98	86014	45.385	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 90.780%			
62) 4-Bromofluorobenzene	12.575	95	30806	48.408	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	13562	22.278	ug/l	97
3) Chloromethane	2.146	50	19737	22.159	ug/l	95
4) Vinyl Chloride	2.281	62	20125	21.284	ug/l	95
5) Bromomethane	2.681	94	11288	21.023	ug/l	97
6) Chloroethane	2.834	64	12527	19.171	ug/l	96
7) Trichlorofluoromethane	3.175	101	23114	20.812	ug/l	91
8) Diethyl Ether	3.599	74	5317	20.562	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.969	101	13114	20.718	ug/l	99
10) Methyl Iodide	4.164	142	11201	19.998	ug/l	99
11) Tert butyl alcohol	5.052	59	3284	79.757	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	12116	20.531	ug/l	95
13) Acrolein	3.799	56	1857	142.464	ug/l	97
14) Allyl chloride	4.564	41	19289	20.670	ug/l	97
15) Acrylonitrile	5.258	53	12977	103.941	ug/l	98
16) Acetone	4.022	43	12411	88.064	ug/l	100
17) Carbon Disulfide	4.275	76	42177	20.293	ug/l	97
18) Methyl Acetate	4.564	43	8836	20.008	ug/l	97
19) Methyl tert-butyl Ether	5.316	73	24297	20.336	ug/l	95
20) Methylene Chloride	4.799	84	17425	22.276	ug/l	96
21) trans-1,2-Dichloroethene	5.316	96	13925	21.110	ug/l	84
22) Diisopropyl ether	6.216	45	36728	20.605	ug/l	92
23) Vinyl Acetate	6.158	43	62683	121.222	ug/l	97
24) 1,1-Dichloroethane	6.111	63	24517	20.945	ug/l	99
25) 2-Butanone	7.087	43	16595	94.424	ug/l	97
26) 2,2-Dichloropropane	7.081	77	20984	20.612	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	14221	20.266	ug/l	96
28) Bromochloromethane	7.422	49	5963	22.926	ug/l #	98
29) Tetrahydrofuran	7.452	42	10088	101.770	ug/l	95
30) Chloroform	7.599	83	24846	21.137	ug/l	86
31) Cyclohexane	7.875	56	21963	19.873	ug/l	92
32) 1,1,1-Trichloroethane	7.799	97	22954	21.214	ug/l	97
36) 1,1-Dichloropropene	8.005	75	19544	20.764	ug/l	98
37) Ethyl Acetate	7.175	43	7326	19.888	ug/l #	94
38) Carbon Tetrachloride	7.993	117	19284	20.448	ug/l	96
39) Methylcyclohexane	9.275	83	21620	19.488	ug/l	87
40) Benzene	8.252	78	54658	21.213	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	3492m	16.529	ug/l	
42) 1,2-Dichloroethane	8.328	62	15892	22.089	ug/l	98
43) Isopropyl Acetate	8.363	43	14631	21.139	ug/l	98
44) Trichloroethene	9.034	130	14558	21.090	ug/l	94
45) 1,2-Dichloropropane	9.304	63	14085	22.416	ug/l	94
46) Dibromomethane	9.399	93	7283	21.287	ug/l	97
47) Bromodichloromethane	9.587	83	18549	21.305	ug/l	97
48) Methyl methacrylate	9.381	41	6829	19.627	ug/l	99
49) 1,4-Dioxane	9.393	88	1090	371.770	ug/l	91
51) 4-Methyl-2-Pentanone	10.157	43	35684	101.802	ug/l	98
52) Toluene	10.334	92	34863	21.976	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	15943	22.367	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	18880	21.848	ug/l	97
55) 1,1,2-Trichloroethane	10.740	97	9540	21.523	ug/l	97
56) Ethyl methacrylate	10.604	69	10215	20.710	ug/l	99
57) 1,3-Dichloropropane	10.881	76	16271	21.313	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.875	63	13926	128.771	ug/l	99
59) 2-Hexanone	10.922	43	24397	98.634	ug/l	97
60) Dibromochloromethane	11.081	129	11735	20.708	ug/l	95
61) 1,2-Dibromoethane	11.181	107	8907	21.193	ug/l	97
64) Tetrachloroethene	10.816	164	12304	20.899	ug/l	96
65) Chlorobenzene	11.610	112	36343	21.125	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	13019	20.840	ug/l	99
67) Ethyl Benzene	11.687	91	63350	20.305	ug/l	99
68) m/p-Xylenes	11.798	106	50461	41.262	ug/l	99
69) o-Xylene	12.122	106	22734	20.298	ug/l	99
70) Styrene	12.134	104	38613	20.657	ug/l	100
71) Bromoform	12.298	173	6193	19.344	ug/l #	94
73) Isopropylbenzene	12.428	105	61437	20.090	ug/l	98
74) N-amyl acetate	12.234	43	12643	19.311	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	10545	20.576	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	8384m	27.513	ug/l	
77) Bromobenzene	12.704	156	14510	20.993	ug/l	97
78) n-propylbenzene	12.763	91	76334	19.949	ug/l	100
79) 2-Chlorotoluene	12.851	91	42039	20.345	ug/l	98
80) 1,3,5-Trimethylbenzene	12.910	105	51999	20.546	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.475	75	2718	24.998	ug/l #	82
82) 4-Chlorotoluene	12.951	91	44481	20.405	ug/l	98
83) tert-Butylbenzene	13.169	119	42225	19.246	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	51625	20.652	ug/l	99
85) sec-Butylbenzene	13.345	105	68257	20.195	ug/l	97
86) p-Isopropyltoluene	13.463	119	57525	20.950	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	28822	20.245	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	28308	20.268	ug/l	99
89) n-Butylbenzene	13.792	91	54170	20.054	ug/l	99
90) Hexachloroethane	14.057	117	10931	19.845	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	24599	20.608	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1680	22.565	ug/l	92
93) 1,2,4-Trichlorobenzene	15.104	180	14437	19.891	ug/l	98
94) Hexachlorobutadiene	15.210	225	8637	20.559	ug/l	95
95) Naphthalene	15.334	128	24711	19.244	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	12533	20.422	ug/l	97

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

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