

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD013023\
 Data File : VD075232.D
 Acq On : 30 Jan 2023 12:33
 Operator : KP/SY
 Sample : VD0130SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/31/2023
 Supervised By :Mahesh Dadoda 01/31/2023

Quant Time: Jan 31 00:21:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 19 01:32:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	63697	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	105250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	94077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	44768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	34200	52.617	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.240%			
35) Dibromofluoromethane	7.810	113	34405	54.097	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.200%			
50) Toluene-d8	10.269	98	128978	51.506	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.020%			
62) 4-Bromofluorobenzene	12.575	95	41916	52.742	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.480%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	12241	22.836	ug/l	98
3) Chloromethane	2.146	50	18578	22.579	ug/l	100
4) Vinyl Chloride	2.281	62	19608	22.208	ug/l	99
5) Bromomethane	2.687	94	12495	20.809	ug/l	97
6) Chloroethane	2.834	64	13097	21.394	ug/l	98
7) Trichlorofluoromethane	3.175	101	25258	22.507	ug/l	95
8) Diethyl Ether	3.593	74	7004	19.370	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.969	101	14322	20.673	ug/l	98
10) Methyl Iodide	4.163	142	16219	17.391	ug/l	97
11) Tert butyl alcohol	5.052	59	4094	90.287	ug/l #	89
12) 1,1-Dichloroethene	3.934	96	13870	19.017	ug/l	93
13) Acrolein	3.793	56	4254	96.174	ug/l	90
14) Allyl chloride	4.563	41	22035	18.616	ug/l	92
15) Acrylonitrile	5.257	53	16028	104.829	ug/l	100
16) Acetone	4.022	43	17258	100.671	ug/l	93
17) Carbon Disulfide	4.269	76	45911	19.408	ug/l	96
18) Methyl Acetate	4.563	43	9702	20.821	ug/l	99
19) Methyl tert-butyl Ether	5.322	73	30858	20.254	ug/l	97
20) Methylene Chloride	4.810	84	21131	18.747	ug/l	97
21) trans-1,2-Dichloroethene	5.310	96	15729	19.372	ug/l	91
22) Diisopropyl ether	6.210	45	44495	20.197	ug/l	96
23) Vinyl Acetate	6.157	43	101023m	104.043	ug/l	
24) 1,1-Dichloroethane	6.116	63	27810	20.087	ug/l	99
25) 2-Butanone	7.087	43	21234	102.485	ug/l	100
26) 2,2-Dichloropropane	7.075	77	24847	20.132	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	17140	19.366	ug/l	97
28) Bromochloromethane	7.434	49	8642	22.862	ug/l #	97
29) Tetrahydrofuran	7.446	42	12042	101.901	ug/l	99
30) Chloroform	7.599	83	28135	20.378	ug/l	96
31) Cyclohexane	7.881	56	25222	19.348	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	25473	21.416	ug/l	97
36) 1,1-Dichloropropene	8.010	75	21964	21.494	ug/l	98
37) Ethyl Acetate	7.175	43	9151	22.229	ug/l	98
38) Carbon Tetrachloride	7.993	117	19742	22.946	ug/l	99
39) Methylcyclohexane	9.281	83	25968	20.621	ug/l	92
40) Benzene	8.251	78	60773	20.855	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	4350	17.560	ug/l #	92
42) 1,2-Dichloroethane	8.328	62	17527	22.897	ug/l	98
43) Isopropyl Acetate	8.363	43	17700	22.094	ug/l #	83
44) Trichloroethene	9.028	130	17170	20.953	ug/l	93
45) 1,2-Dichloropropane	9.304	63	15531	21.636	ug/l	94
46) Dibromomethane	9.398	93	8447	22.313	ug/l	96
47) Bromodichloromethane	9.587	83	20698	22.038	ug/l	97
48) Methyl methacrylate	9.381	41	8451	21.572	ug/l	90
49) 1,4-Dioxane	9.381	88	1592	440.495	ug/l	92
51) 4-Methyl-2-Pentanone	10.157	43	44521	115.726	ug/l	96
52) Toluene	10.340	92	38878	21.112	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	18876	21.243	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	22344	20.582	ug/l	93
55) 1,1,2-Trichloroethane	10.734	97	11559	23.072	ug/l	91
56) Ethyl methacrylate	10.598	69	12942	21.480	ug/l	96
57) 1,3-Dichloropropane	10.881	76	18536	21.531	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	24346	118.090	ug/l	99
59) 2-Hexanone	10.922	43	32222	115.836	ug/l	93
60) Dibromochloromethane	11.075	129	13737	22.748	ug/l	99
61) 1,2-Dibromoethane	11.181	107	10058	21.012	ug/l	91
64) Tetrachloroethene	10.810	164	14227	21.177	ug/l	89
65) Chlorobenzene	11.610	112	41551	21.554	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.687	131	14346	22.125	ug/l	96
67) Ethyl Benzene	11.687	91	74210	21.386	ug/l	99
68) m/p-Xylenes	11.798	106	57796	43.116	ug/l	98
69) o-Xylene	12.122	106	27271	21.688	ug/l	99
70) Styrene	12.139	104	45311	21.677	ug/l	100
71) Bromoform	12.304	173	7782	23.243	ug/l #	96
73) Isopropylbenzene	12.422	105	71174	20.127	ug/l	99
74) N-amyl acetate	12.234	43	15337	19.799	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	12786	22.694	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	8065m	21.271	ug/l	
77) Bromobenzene	12.704	156	15965	19.766	ug/l	94
78) n-propylbenzene	12.769	91	89705	20.644	ug/l	97
79) 2-Chlorotoluene	12.851	91	48679	20.369	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	60421	20.855	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	3225	19.730	ug/l #	79
82) 4-Chlorotoluene	12.951	91	50434	20.525	ug/l	99
83) tert-Butylbenzene	13.169	119	50714	20.231	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	58010	20.388	ug/l	96
85) sec-Butylbenzene	13.351	105	77699	20.404	ug/l	99
86) p-Isopropyltoluene	13.463	119	64699	20.752	ug/l	100
87) 1,3-Dichlorobenzene	13.463	146	32672	20.868	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	32776	21.277	ug/l	98
89) n-Butylbenzene	13.792	91	62358	20.526	ug/l	99
90) Hexachloroethane	14.057	117	12119	22.013	ug/l	92
91) 1,2-Dichlorobenzene	13.833	146	28039	20.932	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1931	22.416	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	17265	19.628	ug/l	96
94) Hexachlorobutadiene	15.210	225	8899	20.643	ug/l	98
95) Naphthalene	15.333	128	31802	18.162	ug/l	98
96) 1,2,3-Trichlorobenzene	15.528	180	15668	20.876	ug/l	98

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

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