

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071223\
 Data File : VD076725.D
 Acq On : 12 Jul 2023 11:17
 Operator : KP/SY
 Sample : VD0712SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0712SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/13/2023
 Supervised By : Mahesh Dadoda 07/13/2023

Quant Time: Jul 12 11:34:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	181912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	327787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	293983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	134006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	82729	45.391	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.780%		
35) Dibromofluoromethane	7.799	113	89254	45.835	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.680%		
50) Toluene-d8	10.269	98	321325	43.511	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	87.020%		
62) 4-Bromofluorobenzene	12.575	95	99654	41.579	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	83.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	35329	25.558	ug/l	94
3) Chloromethane	2.146	50	61363	21.345	ug/l	95
4) Vinyl Chloride	2.275	62	85233	26.578	ug/l	96
5) Bromomethane	2.670	94	63306	30.361	ug/l	100
6) Chloroethane	2.822	64	62990	28.658	ug/l	99
7) Trichlorofluoromethane	3.158	101	63454	24.044	ug/l	98
8) Diethyl Ether	3.587	74	20448	20.588	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.958	101	42276	24.874	ug/l	96
10) Methyl Iodide	4.152	142	35885	17.809	ug/l	92
11) Tert butyl alcohol	5.052	59	14953	95.022	ug/l #	86
12) 1,1-Dichloroethene	3.928	96	36593	21.983	ug/l	90
13) Acrolein	3.793	56	15062	88.863	ug/l	100
14) Allyl chloride	4.552	41	52725	17.320	ug/l #	91
15) Acrylonitrile	5.246	53	50334	98.553	ug/l	98
16) Acetone	4.016	43	49278	113.620	ug/l #	77
17) Carbon Disulfide	4.258	76	90701	19.943	ug/l	98
18) Methyl Acetate	4.558	43	35877	17.950	ug/l	91
19) Methyl tert-butyl Ether	5.316	73	95743	21.028	ug/l	98
20) Methylene Chloride	4.787	84	59580	19.819	ug/l #	90
21) trans-1,2-Dichloroethene	5.305	96	42900	22.298	ug/l	89
22) Diisopropyl ether	6.205	45	115742	17.583	ug/l	92
23) Vinyl Acetate	6.152	43	288001	88.270	ug/l	94
24) 1,1-Dichloroethane	6.105	63	80851	21.996	ug/l	98
25) 2-Butanone	7.087	43	64486	96.131	ug/l #	82
26) 2,2-Dichloropropane	7.069	77	68299	21.552	ug/l	96
27) cis-1,2-Dichloroethene	7.075	96	51088	21.941	ug/l	90
28) Bromochloromethane	7.422	49	22126	19.659	ug/l	80
29) Tetrahydrofuran	7.440	42	38250	88.726	ug/l #	84
30) Chloroform	7.593	83	86240	23.695	ug/l	98
31) Cyclohexane	7.875	56	63488	21.705	ug/l	98
32) 1,1,1-Trichloroethane	7.787	97	72484	24.637	ug/l	99
36) 1,1-Dichloropropene	8.005	75	62785	23.024	ug/l	95
37) Ethyl Acetate	7.169	43	27935	17.679	ug/l	97
38) Carbon Tetrachloride	7.987	117	54722	22.452	ug/l	90
39) Methylcyclohexane	9.269	83	70114	21.910	ug/l	94
40) Benzene	8.246	78	181659	21.845	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	15872	17.788	ug/l #	89
42) 1,2-Dichloroethane	8.322	62	47248	21.027	ug/l	98
43) Isopropyl Acetate	8.357	43	51658	17.268	ug/l #	90
44) Trichloroethene	9.028	130	46863	20.891	ug/l	90
45) 1,2-Dichloropropane	9.304	63	47692	21.152	ug/l	93
46) Dibromomethane	9.393	93	26552	21.983	ug/l #	86
47) Bromodichloromethane	9.581	83	65419	22.633	ug/l	96
48) Methyl methacrylate	9.381	41	21608	15.759	ug/l #	80
49) 1,4-Dioxane	9.381	88	6361	439.549	ug/l #	86
51) 4-Methyl-2-Pentanone	10.157	43	135800	88.804	ug/l	93
52) Toluene	10.334	92	114595	21.960	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	60263	20.547	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	71431	20.542	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	36014	21.316	ug/l	90
56) Ethyl methacrylate	10.599	69	42588	19.305	ug/l #	85
57) 1,3-Dichloropropane	10.875	76	63306	21.885	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	92054	98.426	ug/l	91
59) 2-Hexanone	10.922	43	97115	91.297	ug/l	91
60) Dibromochloromethane	11.075	129	41317	21.013	ug/l	95
61) 1,2-Dibromoethane	11.181	107	34042	21.464	ug/l	99
64) Tetrachloroethene	10.804	164	33415	18.936	ug/l #	85
65) Chlorobenzene	11.604	112	119714	21.434	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	43932	21.995	ug/l	95
67) Ethyl Benzene	11.687	91	219553	22.185	ug/l	94
68) m/p-Xylenes	11.793	106	165623	42.873	ug/l	92
69) o-Xylene	12.122	106	78112	21.241	ug/l	91
70) Styrene	12.134	104	139357	21.938	ug/l	99
71) Bromoform	12.298	173	23450	19.553	ug/l #	99
73) Isopropylbenzene	12.422	105	211222	23.411	ug/l	95
74) N-amyl acetate	12.234	43	47871	18.124	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	44844	24.087	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	23247m	17.479	ug/l	
77) Bromobenzene	12.704	156	45007	20.220	ug/l	81
78) n-propylbenzene	12.763	91	267702	24.030	ug/l	93
79) 2-Chlorotoluene	12.845	91	141002	23.049	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	168685	22.894	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.463	75	12004	19.777	ug/l	94
82) 4-Chlorotoluene	12.945	91	146009	22.982	ug/l	91
83) tert-Butylbenzene	13.169	119	148323	22.656	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	167039	22.497	ug/l	97
85) sec-Butylbenzene	13.345	105	236074	24.299	ug/l	95
86) p-Isopropyltoluene	13.463	119	186885	23.021	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	95035	21.736	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	93781	21.506	ug/l	96
89) n-Butylbenzene	13.787	91	186539	23.559	ug/l	95
90) Hexachloroethane	14.051	117	34241	22.856	ug/l	88
91) 1,2-Dichlorobenzene	13.834	146	81390	21.303	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5577	19.901	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	48183	18.923	ug/l	98
94) Hexachlorobutadiene	15.204	225	23895	19.302	ug/l	97
95) Naphthalene	15.334	128	102017	20.036	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	42255	19.047	ug/l	95

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

