

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062623\
 Data File : VD076578.D
 Acq On : 26 Jun 2023 13:57
 Operator : KP/SY
 Sample : VD0626SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

Quant Time: Jun 27 04:25:57 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	131147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	219752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	197735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	102241	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	63737	48.507	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.020%
35) Dibromofluoromethane	7.804	113	69555	53.279	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.560%
50) Toluene-d8	10.269	98	243774	49.238	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.480%
62) 4-Bromofluorobenzene	12.575	95	82738	51.492	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.980%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	22298	22.376	ug/l	98
3) Chloromethane	2.146	50	36874	17.792	ug/l	98
4) Vinyl Chloride	2.275	62	43377	18.762	ug/l	95
5) Bromomethane	2.669	94	28715	19.102	ug/l	97
6) Chloroethane	2.828	64	31055	19.598	ug/l	98
7) Trichlorofluoromethane	3.163	101	43931	23.090	ug/l	95
8) Diethyl Ether	3.587	74	13862	19.359	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.952	101	26895	21.949	ug/l	96
10) Methyl Iodide	4.152	142	29281	20.156	ug/l #	91
11) Tert butyl alcohol	5.057	59	9527	83.976	ug/l	95
12) 1,1-Dichloroethene	3.928	96	24476	20.396	ug/l	82
13) Acrolein	3.787	56	10379	84.937	ug/l	94
14) Allyl chloride	4.558	41	39596	18.042	ug/l #	84
15) Acrylonitrile	5.252	53	34620	94.024	ug/l	96
16) Acetone	4.028	43	29009	92.776	ug/l #	73
17) Carbon Disulfide	4.258	76	55789	17.015	ug/l #	93
18) Methyl Acetate	4.563	43	25990	18.036	ug/l #	82
19) Methyl tert-butyl Ether	5.310	73	62284	18.974	ug/l	91
20) Methylene Chloride	4.787	84	35657	14.890	ug/l #	82
21) trans-1,2-Dichloroethene	5.310	96	26646	19.211	ug/l	89
22) Diisopropyl ether	6.216	45	89613	18.884	ug/l #	93
23) Vinyl Acetate	6.152	43	215155	91.469	ug/l #	87
24) 1,1-Dichloroethane	6.104	63	53090	20.034	ug/l	95
25) 2-Butanone	7.087	43	46443	96.033	ug/l #	69
26) 2,2-Dichloropropane	7.069	77	43796	19.169	ug/l	94
27) cis-1,2-Dichloroethene	7.075	96	32498	19.360	ug/l	81
28) Bromochloromethane	7.428	49	16858	20.897	ug/l #	69
29) Tetrahydrofuran	7.451	42	27735	89.239	ug/l #	79
30) Chloroform	7.593	83	53395	20.349	ug/l	97
31) Cyclohexane	7.875	56	39296	18.432	ug/l	93
32) 1,1,1-Trichloroethane	7.787	97	47401	22.348	ug/l	96
36) 1,1-Dichloropropene	8.010	75	37447	20.483	ug/l	97
37) Ethyl Acetate	7.169	43	19586	18.489	ug/l #	72
38) Carbon Tetrachloride	7.987	117	36100	22.093	ug/l	88
39) Methylcyclohexane	9.269	83	41416	19.305	ug/l #	89
40) Benzene	8.246	78	112129	20.113	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.404	41	12688	21.210	ug/l	#	81
42) 1,2-Dichloroethane	8.328	62	32563	21.616	ug/l		93
43) Isopropyl Acetate	8.363	43	38394	19.144	ug/l	#	85
44) Trichloroethene	9.028	130	30899	20.546	ug/l		92
45) 1,2-Dichloropropane	9.298	63	31175	20.624	ug/l		96
46) Dibromomethane	9.398	93	16839	20.795	ug/l		95
47) Bromodichloromethane	9.581	83	43263	22.326	ug/l		91
48) Methyl methacrylate	9.387	41	17129	18.634	ug/l	#	70
49) 1,4-Dioxane	9.375	88	4023	414.659	ug/l	#	80
51) 4-Methyl-2-Pentanone	10.157	43	98234	95.820	ug/l	#	84
52) Toluene	10.334	92	73181	20.918	ug/l		96
53) t-1,3-Dichloropropene	10.557	75	40707	20.702	ug/l		98
54) cis-1,3-Dichloropropene	10.016	75	45107	19.349	ug/l	#	78
55) 1,1,2-Trichloroethane	10.728	97	23411	20.669	ug/l		95
56) Ethyl methacrylate	10.598	69	27266	18.436	ug/l	#	65
57) 1,3-Dichloropropane	10.881	76	38778	19.996	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.869	63	62021	98.916	ug/l		94
59) 2-Hexanone	10.922	43	70327	98.617	ug/l		81
60) Dibromochloromethane	11.075	129	29160	22.121	ug/l		97
61) 1,2-Dibromoethane	11.175	107	22880	21.518	ug/l		94
64) Tetrachloroethene	10.810	164	26595	22.407	ug/l		96
65) Chlorobenzene	11.604	112	78535	20.906	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.681	131	29226	21.754	ug/l		98
67) Ethyl Benzene	11.681	91	142906	21.469	ug/l		95
68) m/p-Xylenes	11.792	106	109735	42.232	ug/l		89
69) o-Xylene	12.122	106	53008	21.431	ug/l		94
70) Styrene	12.134	104	88671	20.753	ug/l		93
71) Bromoform	12.304	173	18159	22.512	ug/l	#	98
73) Isopropylbenzene	12.422	105	138709	20.150	ug/l		98
74) N-amyl acetate	12.234	43	35409	17.571	ug/l	#	86
75) 1,1,2,2-Tetrachloroethane	12.675	83	29732	20.931	ug/l		94
76) 1,2,3-Trichloropropane	12.728	75	20469m	20.172	ug/l		
77) Bromobenzene	12.698	156	34484	20.306	ug/l		93
78) n-propylbenzene	12.763	91	170482	20.058	ug/l		96
79) 2-Chlorotoluene	12.851	91	92109	19.735	ug/l		96
80) 1,3,5-Trimethylbenzene	12.904	105	116831	20.783	ug/l		95
81) trans-1,4-Dichloro-2-b...	12.469	75	8295	17.913	ug/l	#	86
82) 4-Chlorotoluene	12.945	91	99691	20.567	ug/l		96
83) tert-Butylbenzene	13.169	119	101646	20.350	ug/l		95
84) 1,2,4-Trimethylbenzene	13.210	105	115874	20.454	ug/l		95
85) sec-Butylbenzene	13.345	105	151952	20.500	ug/l		97
86) p-Isopropyltoluene	13.463	119	127109	20.522	ug/l		96
87) 1,3-Dichlorobenzene	13.457	146	70125	21.021	ug/l		97
88) 1,4-Dichlorobenzene	13.539	146	66599	20.018	ug/l		97
89) n-Butylbenzene	13.786	91	120868	20.007	ug/l		98
90) Hexachloroethane	14.057	117	22335	19.541	ug/l		98
91) 1,2-Dichlorobenzene	13.833	146	60076	20.609	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4325	20.229	ug/l		95
93) 1,2,4-Trichlorobenzene	15.098	180	38523	19.830	ug/l		97
94) Hexachlorobutadiene	15.204	225	20321	21.515	ug/l		99
95) Naphthalene	15.333	128	74293	19.124	ug/l		99
96) 1,2,3-Trichlorobenzene	15.522	180	33925	20.043	ug/l		97

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

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