

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052623\
 Data File : VD076253.D
 Acq On : 26 May 2023 12:15
 Operator : KP/SY
 Sample : VD0526SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0526SBS02

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

Quant Time: May 26 16:05:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	181504	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	310881	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	287710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	153488	50.000	ug/l	0.00

05/29/2023
 Supervised By :Mahesh
 adoda

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	85381	48.673	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.340%
35) Dibromofluoromethane	7.804	113	100302	46.677	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.360%
50) Toluene-d8	10.269	98	387012	46.200	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.400%
62) 4-Bromofluorobenzene	12.575	95	110464	47.471	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.940%

05/30/2023

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	32567	19.895	ug/l	95
3) Chloromethane	2.146	50	58404	18.969	ug/l	96
4) Vinyl Chloride	2.281	62	77609	21.983	ug/l	92
5) Bromomethane	2.675	94	54707	23.017	ug/l	98
6) Chloroethane	2.834	64	56314	23.710	ug/l	94
7) Trichlorofluoromethane	3.175	101	61762	20.640	ug/l	91
8) Diethyl Ether	3.587	74	19446	19.761	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.969	101	39655	20.119	ug/l	97
10) Methyl Iodide	4.158	142	52266	25.503	ug/l #	88
11) Tert butyl alcohol	5.057	59	9490	102.270	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	38549	19.651	ug/l	88
13) Acrolein	3.799	56	17901	78.823	ug/l	96
14) Allyl chloride	4.558	41	38246	19.211	ug/l #	83
15) Acrylonitrile	5.257	53	43086	105.746	ug/l	96
16) Acetone	4.016	43	38223	109.516	ug/l #	86
17) Carbon Disulfide	4.269	76	109299	18.845	ug/l	98
18) Methyl Acetate	4.563	43	25460	20.450	ug/l #	79
19) Methyl tert-butyl Ether	5.316	73	77443	20.170	ug/l	96
20) Methylene Chloride	4.799	84	85065	26.096	ug/l #	78
21) trans-1,2-Dichloroethene	5.305	96	44619	19.735	ug/l #	76
22) Diisopropyl ether	6.216	45	98806	21.381	ug/l #	92
23) Vinyl Acetate	6.152	43	185438	102.057	ug/l #	92
24) 1,1-Dichloroethane	6.110	63	78027	21.410	ug/l #	95
25) 2-Butanone	7.075	43	48141	109.700	ug/l	95
26) 2,2-Dichloropropane	7.075	77	61506	20.697	ug/l	93
27) cis-1,2-Dichloroethene	7.081	96	51358	20.470	ug/l	83
28) Bromochloromethane	7.428	49	25367	20.875	ug/l #	65
29) Tetrahydrofuran	7.446	42	26046	101.828	ug/l #	64
30) Chloroform	7.599	83	81853	21.002	ug/l	97
31) Cyclohexane	7.881	56	52328	19.478	ug/l #	66
32) 1,1,1-Trichloroethane	7.793	97	64489	20.763	ug/l	98
36) 1,1-Dichloropropene	8.010	75	56599	19.502	ug/l	97
37) Ethyl Acetate	7.169	43	20392	20.291	ug/l #	85
38) Carbon Tetrachloride	7.993	117	50262	19.174	ug/l	99
39) Methylcyclohexane	9.275	83	58690	17.565	ug/l	94
40) Benzene	8.251	78	182990	19.612	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.393	41	8760	15.897	ug/l	#	59
42) 1,2-Dichloroethane	8.328	62	45257	20.507	ug/l		92
43) Isopropyl Acetate	8.363	43	36949	19.682	ug/l	#	79
44) Trichloroethene	9.028	130	50305	19.131	ug/l		84
45) 1,2-Dichloropropane	9.304	63	45623	19.824	ug/l		95
46) Dibromomethane	9.398	93	25626	19.865	ug/l		93
47) Bromodichloromethane	9.581	83	61596	19.867	ug/l		98
48) Methyl methacrylate	9.387	41	15509	18.666	ug/l	#	62
49) 1,4-Dioxane	9.387	88	5116	370.858	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.157	43	97618	97.771	ug/l	#	81
52) Toluene	10.334	92	115189	19.766	ug/l		92
53) t-1,3-Dichloropropene	10.551	75	56172	20.102	ug/l		94
54) cis-1,3-Dichloropropene	10.016	75	66197	19.412	ug/l	#	77
55) 1,1,2-Trichloroethane	10.734	97	36776	19.880	ug/l		100
56) Ethyl methacrylate	10.598	69	34498	18.553	ug/l	#	71
57) 1,3-Dichloropropane	10.881	76	57947	19.966	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.869	63	83948	94.094	ug/l		91
59) 2-Hexanone	10.922	43	69136	98.187	ug/l		78
60) Dibromochloromethane	11.075	129	41963	20.174	ug/l		98
61) 1,2-Dibromoethane	11.181	107	32701	19.872	ug/l		97
64) Tetrachloroethene	10.810	164	40153	18.149	ug/l		97
65) Chlorobenzene	11.604	112	126125	19.256	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.681	131	44900	19.920	ug/l		98
67) Ethyl Benzene	11.687	91	199932	19.103	ug/l		93
68) m/p-Xylenes	11.792	106	167256	39.101	ug/l		91
69) o-Xylene	12.122	106	75533	19.352	ug/l		90
70) Styrene	12.134	104	135314	19.996	ug/l		92
71) Bromoform	12.298	173	24569	19.378	ug/l	#	97
73) Isopropylbenzene	12.422	105	191417	18.852	ug/l		99
74) N-amyl acetate	12.234	43	33393	18.464	ug/l	#	76
75) 1,1,2,2-Tetrachloroethane	12.675	83	41713	19.115	ug/l		98
76) 1,2,3-Trichloropropane	12.722	75	22610m	16.834	ug/l		
77) Bromobenzene	12.698	156	51104	18.779	ug/l		92
78) n-propylbenzene	12.763	91	245082	19.392	ug/l		97
79) 2-Chlorotoluene	12.851	91	135993	19.443	ug/l		94
80) 1,3,5-Trimethylbenzene	12.904	105	162769	19.338	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.469	75	11853	18.513	ug/l	#	74
82) 4-Chlorotoluene	12.945	91	141870	19.069	ug/l		92
83) tert-Butylbenzene	13.169	119	134914	18.966	ug/l		92
84) 1,2,4-Trimethylbenzene	13.210	105	161571	19.275	ug/l		94
85) sec-Butylbenzene	13.345	105	209143	18.865	ug/l		97
86) p-Isopropyltoluene	13.463	119	174580	19.246	ug/l		97
87) 1,3-Dichlorobenzene	13.457	146	105602	19.192	ug/l		96
88) 1,4-Dichlorobenzene	13.539	146	106402	19.529	ug/l		97
89) n-Butylbenzene	13.786	91	157783	18.458	ug/l		99
90) Hexachloroethane	14.057	117	35891	19.235	ug/l		97
91) 1,2-Dichlorobenzene	13.833	146	90539	18.750	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5096	17.985	ug/l		73
93) 1,2,4-Trichlorobenzene	15.098	180	47369	16.865	ug/l		98
94) Hexachlorobutadiene	15.204	225	24307	16.973	ug/l		95
95) Naphthalene	15.333	128	91519	17.536	ug/l		100
96) 1,2,3-Trichlorobenzene	15.522	180	43460	17.013	ug/l		98

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

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