

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061923\
 Data File : VD076464.D
 Acq On : 19 Jun 2023 11:22
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jun 20 05:22:03 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	177382	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	296972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	268165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	132290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	79111	44.514	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.020%
35) Dibromofluoromethane	7.804	113	80718	45.753	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.500%
50) Toluene-d8	10.269	98	304060	45.445	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.900%
62) 4-Bromofluorobenzene	12.575	95	101215	46.612	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.220%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	64966	48.199	ug/l	99
3) Chloromethane	2.146	50	121783	43.444	ug/l	98
4) Vinyl Chloride	2.281	62	140479	44.924	ug/l	99
5) Bromomethane	2.687	94	83983	41.306	ug/l	99
6) Chloroethane	2.828	64	93308	43.536	ug/l	94
7) Trichlorofluoromethane	3.169	101	122819	47.727	ug/l	96
8) Diethyl Ether	3.587	74	42821	44.214	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.958	101	82249	49.628	ug/l	99
10) Methyl Iodide	4.158	142	89914	45.762	ug/l	93
11) Tert butyl alcohol	5.063	59	31221	203.467	ug/l #	92
12) 1,1-Dichloroethene	3.934	96	75913	46.770	ug/l #	76
13) Acrolein	3.793	56	36548	221.132	ug/l	100
14) Allyl chloride	4.558	41	130378	43.923	ug/l #	86
15) Acrylonitrile	5.246	53	106601	214.054	ug/l	97
16) Acetone	4.016	43	110929	262.300	ug/l	87
17) Carbon Disulfide	4.263	76	209639	47.271	ug/l	99
18) Methyl Acetate	4.558	43	85013	43.619	ug/l #	80
19) Methyl tert-butyl Ether	5.316	73	203635	45.866	ug/l	94
20) Methylene Chloride	4.793	84	99358	40.427	ug/l #	73
21) trans-1,2-Dichloroethene	5.311	96	83874	44.709	ug/l	90
22) Diisopropyl ether	6.210	45	293357	45.705	ug/l #	88
23) Vinyl Acetate	6.152	43	744824	234.112	ug/l #	89
24) 1,1-Dichloroethane	6.105	63	166392	46.424	ug/l	96
25) 2-Butanone	7.081	43	149460	228.493	ug/l #	79
26) 2,2-Dichloropropane	7.075	77	144779	46.852	ug/l	94
27) cis-1,2-Dichloroethene	7.081	96	104851	46.181	ug/l	87
28) Bromochloromethane	7.422	49	44409	42.710	ug/l #	70
29) Tetrahydrofuran	7.446	42	90921	216.290	ug/l #	76
30) Chloroform	7.593	83	159794	45.026	ug/l	94
31) Cyclohexane	7.875	56	135365	49.159	ug/l #	83
32) 1,1,1-Trichloroethane	7.787	97	134605	46.921	ug/l	98
36) 1,1-Dichloropropene	8.004	75	121211	49.062	ug/l	96
37) Ethyl Acetate	7.169	43	66024	46.119	ug/l #	91
38) Carbon Tetrachloride	7.987	117	111308	50.407	ug/l	92
39) Methylcyclohexane	9.275	83	149408	51.533	ug/l #	90
40) Benzene	8.246	78	357686	47.476	ug/l	99

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 Supervised By :Mahesh
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Quant Title : SW846 8260

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.393	41	38401	47.502	ug/l	#	77
42) 1,2-Dichloroethane	8.322	62	98726	48.496	ug/l		95
43) Isopropyl Acetate	8.357	43	129106	47.635	ug/l	#	84
44) Trichloroethene	9.022	130	96929	47.693	ug/l		99
45) 1,2-Dichloropropane	9.304	63	98001	47.975	ug/l		97
46) Dibromomethane	9.387	93	50609	46.248	ug/l		96
47) Bromodichloromethane	9.581	83	121705	46.476	ug/l		96
48) Methyl methacrylate	9.381	41	58795	47.330	ug/l	#	72
49) 1,4-Dioxane	9.387	88	11947	911.208	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.157	43	326978	236.009	ug/l	#	84
52) Toluene	10.334	92	227815	48.186	ug/l		97
53) t-1,3-Dichloropropene	10.551	75	126579	47.635	ug/l		98
54) cis-1,3-Dichloropropene	10.016	75	149345	47.405	ug/l	#	80
55) 1,1,2-Trichloroethane	10.734	97	71435	46.669	ug/l		90
56) Ethyl methacrylate	10.598	69	93148	46.606	ug/l	#	70
57) 1,3-Dichloropropane	10.881	76	120603	46.019	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.869	63	192797	227.533	ug/l		91
59) 2-Hexanone	10.922	43	239267	248.274	ug/l		83
60) Dibromochloromethane	11.075	129	84150	47.239	ug/l		94
61) 1,2-Dibromoethane	11.181	107	67698	47.114	ug/l		98
64) Tetrachloroethene	10.810	164	79567	49.430	ug/l		96
65) Chlorobenzene	11.604	112	245113	48.112	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.681	131	90547	49.697	ug/l		96
67) Ethyl Benzene	11.681	91	438656	48.593	ug/l		99
68) m/p-Xylenes	11.793	106	338583	96.083	ug/l		89
69) o-Xylene	12.122	106	162838	48.545	ug/l		91
70) Styrene	12.134	104	278017	47.979	ug/l		94
71) Bromoform	12.298	173	53156	48.590	ug/l	#	99
73) Isopropylbenzene	12.422	105	428568	48.117	ug/l		97
74) N-amyl acetate	12.234	43	122444	46.958	ug/l	#	83
75) 1,1,2,2-Tetrachloroethane	12.675	83	85112	46.309	ug/l		99
76) 1,2,3-Trichloropropane	12.722	75	66837m	50.906	ug/l		
77) Bromobenzene	12.698	156	101922	46.383	ug/l		90
78) n-propylbenzene	12.763	91	523235	47.577	ug/l		97
79) 2-Chlorotoluene	12.851	91	284307	47.078	ug/l		95
80) 1,3,5-Trimethylbenzene	12.904	105	347271	47.743	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.469	75	28253	47.153	ug/l		95
82) 4-Chlorotoluene	12.945	91	295997	47.195	ug/l		94
83) tert-Butylbenzene	13.169	119	310363	48.021	ug/l		97
84) 1,2,4-Trimethylbenzene	13.210	105	346665	47.294	ug/l		97
85) sec-Butylbenzene	13.345	105	469830	48.987	ug/l		96
86) p-Isopropyltoluene	13.463	119	392258	48.946	ug/l		96
87) 1,3-Dichlorobenzene	13.457	146	202550	46.927	ug/l		98
88) 1,4-Dichlorobenzene	13.539	146	196588	45.667	ug/l		96
89) n-Butylbenzene	13.787	91	380091	48.626	ug/l		99
90) Hexachloroethane	14.051	117	74409	50.313	ug/l		94
91) 1,2-Dichlorobenzene	13.828	146	177724	47.120	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	11624	42.018	ug/l		95
93) 1,2,4-Trichlorobenzene	15.098	180	119120	47.389	ug/l		99
94) Hexachlorobutadiene	15.204	225	60352	49.385	ug/l		98
95) Naphthalene	15.334	128	236962	47.142	ug/l		99
96) 1,2,3-Trichlorobenzene	15.522	180	104415	47.677	ug/l		99

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

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

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