

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062023\
 Data File : VD076483.D
 Acq On : 20 Jun 2023 10:17
 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 :Krupa Patel 06/22/2023
 Supervised By :Mahesh Dadoda 06/22/2023

Quant Time: Jun 20 15:29:22 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	143582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	245897	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	221261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	107472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	62573	43.497	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.000%		
35) Dibromofluoromethane	7.804	113	71677	49.067	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.140%		
50) Toluene-d8	10.269	98	275766	49.777	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.560%		
62) 4-Bromofluorobenzene	12.575	95	88148	49.026	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	62058	56.880	ug/l	100
3) Chloromethane	2.146	50	117284	51.688	ug/l	98
4) Vinyl Chloride	2.275	62	138758	54.820	ug/l	95
5) Bromomethane	2.687	94	90061	54.722	ug/l	100
6) Chloroethane	2.834	64	92888	53.543	ug/l	98
7) Trichlorofluoromethane	3.169	101	119239	57.243	ug/l	96
8) Diethyl Ether	3.587	74	39258	50.078	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.958	101	74473	55.515	ug/l	98
10) Methyl Iodide	4.152	142	93996	59.101	ug/l	94
11) Tert butyl alcohol	5.052	59	24195	194.797	ug/l	97
12) 1,1-Dichloroethene	3.940	96	71860	54.695	ug/l	86
13) Acrolein	3.793	56	22752	170.066	ug/l	94
14) Allyl chloride	4.558	41	128053	53.295	ug/l #	87
15) Acrylonitrile	5.252	53	90873	225.427	ug/l	99
16) Acetone	4.022	43	73552	214.861	ug/l #	85
17) Carbon Disulfide	4.263	76	200047	55.727	ug/l	99
18) Methyl Acetate	4.563	43	70405	44.628	ug/l #	84
19) Methyl tert-butyl Ether	5.310	73	174311	48.503	ug/l	93
20) Methylene Chloride	4.805	84	105605	55.964	ug/l #	86
21) trans-1,2-Dichloroethene	5.305	96	85681	56.423	ug/l	87
22) Diisopropyl ether	6.216	45	279543	53.805	ug/l #	95
23) Vinyl Acetate	6.157	43	625396	242.848	ug/l #	89
24) 1,1-Dichloroethane	6.110	63	165439	57.024	ug/l	96
25) 2-Butanone	7.075	43	116403	219.848	ug/l #	73
26) 2,2-Dichloropropane	7.075	77	134395	53.730	ug/l	96
27) cis-1,2-Dichloroethene	7.075	96	102135	55.574	ug/l	88
28) Bromochloromethane	7.422	49	43112	51.646	ug/l #	67
29) Tetrahydrofuran	7.446	42	72449	212.919	ug/l #	77
30) Chloroform	7.593	83	159074	55.375	ug/l	99
31) Cyclohexane	7.875	56	128533	57.913	ug/l #	80
32) 1,1,1-Trichloroethane	7.793	97	135218	58.230	ug/l	98
36) 1,1-Dichloropropene	8.010	75	117271	57.327	ug/l	98
37) Ethyl Acetate	7.163	43	50027	42.203	ug/l #	88
38) Carbon Tetrachloride	7.987	117	111165	60.799	ug/l	96
39) Methylcyclohexane	9.269	83	137663	57.345	ug/l	92
40) Benzene	8.246	78	350566	56.196	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	35239	52.645	ug/l #	78
42) 1,2-Dichloroethane	8.328	62	88174	52.309	ug/l	97
43) Isopropyl Acetate	8.363	43	102048	45.472	ug/l #	87
44) Trichloroethene	9.028	130	95085	56.503	ug/l	91
45) 1,2-Dichloropropane	9.304	63	94899	56.106	ug/l	98
46) Dibromomethane	9.393	93	45887	50.643	ug/l	96
47) Bromodichloromethane	9.581	83	119835	55.267	ug/l	97
48) Methyl methacrylate	9.381	41	44665	43.423	ug/l #	73
49) 1,4-Dioxane	9.381	88	10160	935.868	ug/l #	80
51) 4-Methyl-2-Pentanone	10.157	43	255257	222.511	ug/l #	84
52) Toluene	10.334	92	226735	57.919	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	115131	52.326	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	140502	53.861	ug/l #	82
55) 1,1,2-Trichloroethane	10.734	97	64203	50.656	ug/l	91
56) Ethyl methacrylate	10.598	69	81400	49.187	ug/l #	74
57) 1,3-Dichloropropane	10.881	76	113902	52.490	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	160642	228.963	ug/l	91
59) 2-Hexanone	10.922	43	175880	220.408	ug/l	82
60) Dibromochloromethane	11.075	129	78559	53.260	ug/l	95
61) 1,2-Dibromoethane	11.181	107	59059	49.639	ug/l	98
64) Tetrachloroethene	10.810	164	79265	59.681	ug/l	94
65) Chlorobenzene	11.604	112	240342	57.176	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	87462	58.180	ug/l	97
67) Ethyl Benzene	11.681	91	445653	59.833	ug/l	96
68) m/p-Xylenes	11.792	106	342091	117.658	ug/l	91
69) o-Xylene	12.122	106	164145	59.307	ug/l	96
70) Styrene	12.134	104	277163	57.972	ug/l	95
71) Bromoform	12.298	173	47785	52.940	ug/l #	99
73) Isopropylbenzene	12.422	105	435550	60.193	ug/l	97
74) N-amyl acetate	12.234	43	96067	45.350	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.675	83	74613	49.971	ug/l	95
76) 1,2,3-Trichloropropane	12.722	75	36549m	34.266	ug/l	
77) Bromobenzene	12.698	156	98403	55.123	ug/l	90
78) n-propylbenzene	12.763	91	536737	60.075	ug/l	96
79) 2-Chlorotoluene	12.845	91	282703	57.622	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	352083	59.583	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	23153	47.564	ug/l	95
82) 4-Chlorotoluene	12.945	91	295144	57.927	ug/l	95
83) tert-Butylbenzene	13.163	119	316849	60.346	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	352634	59.218	ug/l	97
85) sec-Butylbenzene	13.345	105	479257	61.509	ug/l	96
86) p-Isopropyltoluene	13.463	119	393981	60.514	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	200707	57.238	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	197383	56.440	ug/l	98
89) n-Butylbenzene	13.786	91	383108	60.329	ug/l	97
90) Hexachloroethane	14.057	117	72124	60.030	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	175088	57.141	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	10543	46.911	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	110006	53.869	ug/l	98
94) Hexachlorobutadiene	15.204	225	59315	59.744	ug/l	98
95) Naphthalene	15.333	128	201561	49.360	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	99167	55.738	ug/l	99

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

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