

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
 Data File : VD076990.D
 Acq On : 14 Aug 2023 09:45
 Operator : JC/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 :Romaben Patel 08/15/2023
 Supervised By :Mahesh Dadoda 08/15/2023

Quant Time: Aug 14 12:42:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 09 07:25:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	206101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	359822	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	337446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	168981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	77531	47.687	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.380%		
35) Dibromofluoromethane	7.810	113	96322	49.793	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.580%		
50) Toluene-d8	10.269	98	293924	47.306	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.620%		
62) 4-Bromofluorobenzene	12.575	95	110374	50.815	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	49673	46.398	ug/l	96
3) Chloromethane	2.146	50	70026	40.053	ug/l	100
4) Vinyl Chloride	2.281	62	108098	41.960	ug/l	94
5) Bromomethane	2.687	94	93822	40.266	ug/l	97
6) Chloroethane	2.834	64	88874	41.991	ug/l	99
7) Trichlorofluoromethane	3.169	101	129034	45.978	ug/l	99
8) Diethyl Ether	3.593	74	44702	49.503	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.969	101	89769	46.709	ug/l	99
10) Methyl Iodide	4.158	142	88517	47.824	ug/l	90
11) Tert butyl alcohol	5.063	59	30710	287.013	ug/l	97
12) 1,1-Dichloroethene	3.940	96	70646	44.788	ug/l	96
13) Acrolein	3.793	56	8180	219.837	ug/l	90
14) Allyl chloride	4.558	41	89609	46.258	ug/l	92
15) Acrylonitrile	5.252	53	113836	253.511	ug/l	98
16) Acetone	4.016	43	128832	404.654	ug/l	89
17) Carbon Disulfide	4.269	76	115797	43.369	ug/l	99
18) Methyl Acetate	4.558	43	75279	49.585	ug/l	95
19) Methyl tert-butyl Ether	5.316	73	228984	51.430	ug/l	100
20) Methylene Chloride	4.799	84	121844	52.740	ug/l	98
21) trans-1,2-Dichloroethene	5.310	96	85847	47.646	ug/l	98
22) Diisopropyl ether	6.210	45	261767	51.726	ug/l	97
23) Vinyl Acetate	6.157	43	592140	249.487	ug/l	97
24) 1,1-Dichloroethane	6.104	63	170507	47.139	ug/l	99
25) 2-Butanone	7.081	43	156376	287.545	ug/l	95
26) 2,2-Dichloropropane	7.069	77	156214	47.567	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	122039	49.362	ug/l	99
28) Bromochloromethane	7.422	49	86443	50.004	ug/l	95
29) Tetrahydrofuran	7.446	42	77047	253.711	ug/l	96
30) Chloroform	7.599	83	208306	50.478	ug/l	95
31) Cyclohexane	7.875	56	91934	47.091	ug/l	99
32) 1,1,1-Trichloroethane	7.787	97	167380	49.422	ug/l	98
36) 1,1-Dichloropropene	8.004	75	114820	47.999	ug/l	99
37) Ethyl Acetate	7.169	43	53089	48.096	ug/l	99
38) Carbon Tetrachloride	7.993	117	133213	52.031	ug/l	97
39) Methylcyclohexane	9.275	83	121280	47.853	ug/l	95
40) Benzene	8.251	78	381051	49.541	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	32511	54.584	ug/l	95
42) 1,2-Dichloroethane	8.328	62	110211	53.156	ug/l	97
43) Isopropyl Acetate	8.363	43	107105	51.635	ug/l	94
44) Trichloroethene	9.028	130	107790	50.759	ug/l	94
45) 1,2-Dichloropropane	9.304	63	102772	49.581	ug/l	96
46) Dibromomethane	9.393	93	63593	51.342	ug/l	95
47) Bromodichloromethane	9.587	83	164644	51.819	ug/l	100
48) Methyl methacrylate	9.375	41	47773	52.376	ug/l #	86
49) 1,4-Dioxane	9.387	88	15902	1098.409	ug/l	97
51) 4-Methyl-2-Pentanone	10.157	43	308876	269.773	ug/l	93
52) Toluene	10.334	92	253641	50.211	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	146838	52.974	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	167059	51.965	ug/l #	93
55) 1,1,2-Trichloroethane	10.734	97	95461	51.933	ug/l	96
56) Ethyl methacrylate	10.598	69	102980	54.053	ug/l #	91
57) 1,3-Dichloropropane	10.881	76	146605	51.338	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	150442	210.058	ug/l	100
59) 2-Hexanone	10.922	43	243059	311.866	ug/l	92
60) Dibromochloromethane	11.075	129	119067	53.711	ug/l	95
61) 1,2-Dibromoethane	11.181	107	87359	53.443	ug/l	98
64) Tetrachloroethene	10.810	164	96322	56.706	ug/l	95
65) Chlorobenzene	11.604	112	306096	51.273	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	125925	53.455	ug/l	96
67) Ethyl Benzene	11.681	91	512680	50.902	ug/l	98
68) m/p-Xylenes	11.792	106	413885	105.805	ug/l	95
69) o-Xylene	12.122	106	199191	53.097	ug/l	97
70) Styrene	12.134	104	361582	54.066	ug/l	99
71) Bromoform	12.298	173	73342	56.158	ug/l #	98
73) Isopropylbenzene	12.422	105	524700	49.344	ug/l	97
74) N-amyl acetate	12.234	43	101670	47.990	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	116699	49.805	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	73900m	46.618	ug/l	
77) Bromobenzene	12.704	156	133504	51.596	ug/l	97
78) n-propylbenzene	12.763	91	635706	49.145	ug/l	98
79) 2-Chlorotoluene	12.851	91	347349	48.843	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	438463	50.799	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	33404	49.508	ug/l	98
82) 4-Chlorotoluene	12.945	91	365832	49.150	ug/l	98
83) tert-Butylbenzene	13.169	119	403902	51.033	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	449129	51.067	ug/l	96
85) sec-Butylbenzene	13.345	105	599256	50.120	ug/l	97
86) p-Isopropyltoluene	13.463	119	503477	50.983	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	273775	51.008	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	269654	50.393	ug/l	98
89) n-Butylbenzene	13.786	91	464900	49.422	ug/l	98
90) Hexachloroethane	14.051	117	99846	50.035	ug/l	94
91) 1,2-Dichlorobenzene	13.834	146	245081	51.359	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	15688	49.244	ug/l	91
93) 1,2,4-Trichlorobenzene	15.098	180	151088	51.192	ug/l	99
94) Hexachlorobutadiene	15.204	225	78411	53.106	ug/l	98
95) Naphthalene	15.333	128	306379	51.040	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	136201	51.759	ug/l	99

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

