

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103123\
 Data File : VD077452.D
 Acq On : 31 Oct 2023 10:08
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 01 06:01:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/01/2023
 Supervised By : Mahesh Dadoda 11/01/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	300148	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	531120	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	454701	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	204433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	205560	48.433	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.860%		
35) Dibromofluoromethane	7.810	113	184081	50.146	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.300%		
50) Toluene-d8	10.269	98	726970	50.984	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.960%		
62) 4-Bromofluorobenzene	12.575	95	231930	48.294	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.580%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.940	85	115401	47.683	ug/l	99
3) Chloromethane	2.152	50	209377	54.492	ug/l	98
4) Vinyl Chloride	2.293	62	216045	57.660	ug/l	96
5) Bromomethane	2.699	94	112647	57.374	ug/l	95
6) Chloroethane	2.846	64	142089	56.325	ug/l	99
7) Trichlorofluoromethane	3.181	101	275404	52.487	ug/l	96
8) Diethyl Ether	3.599	74	88733	47.045	ug/l #	46
9) 1,1,2-Trichlorotrifluo...	3.975	101	163022	51.465	ug/l	92
10) Methyl Iodide	4.169	142	178381	44.931	ug/l #	90
11) Tert butyl alcohol	5.052	59	67327	200.259	ug/l	95
12) 1,1-Dichloroethene	3.946	96	157662	52.574	ug/l #	66
13) Acrolein	3.799	56	87807	198.054	ug/l	95
14) Allyl chloride	4.569	41	373593	51.641	ug/l #	83
15) Acrylonitrile	5.252	53	241881	237.231	ug/l	98
16) Acetone	4.022	43	253156	225.413	ug/l #	78
17) Carbon Disulfide	4.275	76	464475	50.196	ug/l	99
18) Methyl Acetate	4.563	43	197181	48.133	ug/l #	76
19) Methyl tert-butyl Ether	5.322	73	438728	46.608	ug/l	92
20) Methylene Chloride	4.811	84	186973	43.995	ug/l #	63
21) trans-1,2-Dichloroethene	5.316	96	177870	50.928	ug/l #	68
22) Diisopropyl ether	6.216	45	746318	48.538	ug/l #	90
23) Vinyl Acetate	6.157	43	1560360m	235.228	ug/l	
24) 1,1-Dichloroethane	6.116	63	396385	49.683	ug/l	93
25) 2-Butanone	7.081	43	337128	225.051	ug/l #	73
26) 2,2-Dichloropropane	7.081	77	337970	47.801	ug/l	90
27) cis-1,2-Dichloroethene	7.081	96	210686	48.692	ug/l	70
28) Bromochloromethane	7.428	49	188691	52.077	ug/l #	53
29) Tetrahydrofuran	7.446	42	206109	231.987	ug/l #	69
30) Chloroform	7.599	83	355030	47.659	ug/l	97
31) Cyclohexane	7.881	56	343861	51.827	ug/l #	76
32) 1,1,1-Trichloroethane	7.793	97	308003	50.183	ug/l	95
36) 1,1-Dichloropropene	8.010	75	283939	52.169	ug/l	91
37) Ethyl Acetate	7.169	43	148438	47.523	ug/l #	86
38) Carbon Tetrachloride	7.993	117	258489	50.400	ug/l	98
39) Methylcyclohexane	9.275	83	325760	52.457	ug/l #	78
40) Benzene	8.252	78	775441	49.964	ug/l	99

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	86638	43.349	ug/l #	71
42) 1,2-Dichloroethane	8.328	62	232198	47.237	ug/l	89
43) Isopropyl Acetate	8.363	43	295118	45.785	ug/l #	81
44) Trichloroethene	9.028	130	184003	48.401	ug/l	83
45) 1,2-Dichloropropane	9.304	63	220474	48.253	ug/l	100
46) Dibromomethane	9.398	93	100300	45.614	ug/l	89
47) Bromodichloromethane	9.587	83	274221	47.182	ug/l	98
48) Methyl methacrylate	9.381	41	146910	47.747	ug/l #	63
49) 1,4-Dioxane	9.387	88	21053	891.032	ug/l #	62
51) 4-Methyl-2-Pentanone	10.157	43	726849	229.096	ug/l #	81
52) Toluene	10.334	92	464176	49.060	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	286439	46.544	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	339998	48.008	ug/l #	75
55) 1,1,2-Trichloroethane	10.734	97	133792	45.606	ug/l	93
56) Ethyl methacrylate	10.598	69	201734	46.250	ug/l #	62
57) 1,3-Dichloropropane	10.881	76	256435	46.766	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	557510	255.308	ug/l #	84
59) 2-Hexanone	10.922	43	518234	221.732	ug/l	78
60) Dibromochloromethane	11.075	129	159518	45.220	ug/l	96
61) 1,2-Dibromoethane	11.181	107	125767	45.269	ug/l	99
64) Tetrachloroethene	10.810	164	144243	49.826	ug/l	93
65) Chlorobenzene	11.610	112	462436	48.545	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	171181	47.553	ug/l	95
67) Ethyl Benzene	11.687	91	921264	50.263	ug/l	93
68) m/p-Xylenes	11.798	106	652739	98.620	ug/l	78
69) o-Xylene	12.122	106	313226	49.407	ug/l	81
70) Styrene	12.140	104	524450	47.952	ug/l #	89
71) Bromoform	12.298	173	90178	45.186	ug/l #	97
73) Isopropylbenzene	12.422	105	844045	50.640	ug/l	93
74) N-amyl acetate	12.234	43	280542	47.519	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.675	83	156632	47.940	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	121275m	48.741	ug/l	
77) Bromobenzene	12.704	156	171573	46.766	ug/l	69
78) n-propylbenzene	12.763	91	1066577	50.397	ug/l	92
79) 2-Chlorotoluene	12.851	91	587031	48.989	ug/l	87
80) 1,3,5-Trimethylbenzene	12.904	105	684648	48.954	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.469	75	60022	46.597	ug/l #	84
82) 4-Chlorotoluene	12.951	91	599147	48.002	ug/l	87
83) tert-Butylbenzene	13.169	119	575988	48.985	ug/l	87
84) 1,2,4-Trimethylbenzene	13.216	105	678607	48.846	ug/l	92
85) sec-Butylbenzene	13.345	105	901842	50.127	ug/l	93
86) p-Isopropyltoluene	13.463	119	718738	49.149	ug/l	93
87) 1,3-Dichlorobenzene	13.463	146	340236	47.179	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	335184	46.520	ug/l	95
89) n-Butylbenzene	13.787	91	756424	49.766	ug/l	97
90) Hexachloroethane	14.057	117	146356	48.908	ug/l	91
91) 1,2-Dichlorobenzene	13.834	146	297447	46.933	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	24883	45.208	ug/l	80
93) 1,2,4-Trichlorobenzene	15.104	180	196051	45.029	ug/l	97
94) Hexachlorobutadiene	15.204	225	110042	46.856	ug/l	100
95) Naphthalene	15.333	128	377956	45.505	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	169259	45.037	ug/l	99

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

