

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052523\
 Data File : VD076227.D
 Acq On : 25 May 2023 11:39
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/26/2023
 Supervised By :Mahesh Dadoda 05/26/2023

Quant Time: May 25 17:11:36 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	187108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	313633	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	293967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	157507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	85257	47.146	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.300%		
35) Dibromofluoromethane	7.804	113	99955	46.107	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.220%		
50) Toluene-d8	10.269	98	388335	45.951	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.900%		
62) 4-Bromofluorobenzene	12.575	95	112416	47.886	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.780%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	69619	41.256	ug/l	97
3) Chloromethane	2.146	50	141383	51.114	ug/l	97
4) Vinyl Chloride	2.281	62	178777	49.123	ug/l	97
5) Bromomethane	2.687	94	112771	46.025	ug/l	98
6) Chloroethane	2.828	64	126965	51.855	ug/l	98
7) Trichlorofluoromethane	3.169	101	140542	45.561	ug/l	97
8) Diethyl Ether	3.587	74	47021	46.352	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.963	101	94315	46.417	ug/l	95
10) Methyl Iodide	4.157	142	109159	51.668	ug/l	90
11) Tert butyl alcohol	5.069	59	25562	267.222	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	92824	45.901	ug/l	89
13) Acrolein	3.793	56	50633	216.272	ug/l	96
14) Allyl chloride	4.563	41	96207	46.876	ug/l #	78
15) Acrylonitrile	5.257	53	114225	271.947	ug/l	98
16) Acetone	4.022	43	90939	252.753	ug/l #	73
17) Carbon Disulfide	4.263	76	240066	43.497	ug/l	98
18) Methyl Acetate	4.563	43	68923	53.701	ug/l #	79
19) Methyl tert-butyl Ether	5.316	73	208779	52.747	ug/l	100
20) Methylene Chloride	4.798	84	128904	44.047	ug/l #	80
21) trans-1,2-Dichloroethene	5.310	96	107906	46.298	ug/l	84
22) Diisopropyl ether	6.210	45	250578	52.600	ug/l #	92
23) Vinyl Acetate	6.157	43	609518	325.406	ug/l #	89
24) 1,1-Dichloroethane	6.110	63	184389	49.079	ug/l	98
25) 2-Butanone	7.081	43	122550	270.893	ug/l #	74
26) 2,2-Dichloropropane	7.069	77	146593	47.852	ug/l	92
27) cis-1,2-Dichloroethene	7.081	96	126824	49.036	ug/l	85
28) Bromochloromethane	7.428	49	60506	48.299	ug/l #	66
29) Tetrahydrofuran	7.445	42	75558	286.550	ug/l #	67
30) Chloroform	7.592	83	201826	50.234	ug/l	97
31) Cyclohexane	7.875	56	123427	44.566	ug/l #	83
32) 1,1,1-Trichloroethane	7.792	97	156073	48.745	ug/l	97
36) 1,1-Dichloropropene	8.004	75	139185	47.538	ug/l	95
37) Ethyl Acetate	7.169	43	57034	56.255	ug/l #	84
38) Carbon Tetrachloride	7.992	117	122502	46.321	ug/l	98
39) Methylcyclohexane	9.275	83	153528	45.546	ug/l	91
40) Benzene	8.251	78	442625	47.022	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	24849	44.699	ug/l #	55
42) 1,2-Dichloroethane	8.322	62	109456	49.162	ug/l	91
43) Isopropyl Acetate	8.357	43	97010	51.222	ug/l #	85
44) Trichloroethene	9.028	130	117959	44.466	ug/l	91
45) 1,2-Dichloropropane	9.304	63	111929	48.207	ug/l	94
46) Dibromomethane	9.392	93	63750	48.984	ug/l	96
47) Bromodichloromethane	9.586	83	150613	48.152	ug/l	96
48) Methyl methacrylate	9.381	41	42401	50.585	ug/l #	59
49) 1,4-Dioxane	9.386	88	15076	1083.267	ug/l #	78
51) 4-Methyl-2-Pentanone	10.157	43	275583	273.593	ug/l #	80
52) Toluene	10.333	92	282971	48.132	ug/l	95
53) t-1,3-Dichloropropene	10.557	75	138270	49.048	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	169432	49.249	ug/l #	75
55) 1,1,2-Trichloroethane	10.733	97	95055	50.932	ug/l	94
56) Ethyl methacrylate	10.598	69	97653	52.056	ug/l #	68
57) 1,3-Dichloropropane	10.880	76	147877	50.504	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	232727	258.565	ug/l	93
59) 2-Hexanone	10.922	43	192928	271.593	ug/l	75
60) Dibromochloromethane	11.075	129	105121	50.093	ug/l	99
61) 1,2-Dibromoethane	11.180	107	83865	50.515	ug/l	97
64) Tetrachloroethene	10.810	164	94811	41.942	ug/l	94
65) Chlorobenzene	11.610	112	310112	46.338	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.680	131	111423	48.380	ug/l	95
67) Ethyl Benzene	11.686	91	515924	48.245	ug/l	98
68) m/p-Xylenes	11.792	106	436462	99.863	ug/l	89
69) o-Xylene	12.122	106	196010	49.150	ug/l	93
70) Styrene	12.133	104	351586	50.849	ug/l	94
71) Bromoform	12.298	173	62082	47.923	ug/l #	99
73) Isopropylbenzene	12.422	105	496432	47.645	ug/l	97
74) N-amyl acetate	12.233	43	88197	47.523	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	12.675	83	107618	48.058	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	60831m	44.134	ug/l	
77) Bromobenzene	12.704	156	125910	45.086	ug/l	92
78) n-propylbenzene	12.763	91	623658	48.088	ug/l	97
79) 2-Chlorotoluene	12.851	91	332668	46.347	ug/l	91
80) 1,3,5-Trimethylbenzene	12.904	105	414962	48.042	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.469	75	32304	49.167	ug/l #	72
82) 4-Chlorotoluene	12.945	91	348522	45.649	ug/l	92
83) tert-Butylbenzene	13.169	119	349509	47.880	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	417144	48.494	ug/l	94
85) sec-Butylbenzene	13.345	105	544237	47.839	ug/l	96
86) p-Isopropyltoluene	13.463	119	461064	49.531	ug/l	94
87) 1,3-Dichlorobenzene	13.463	146	264637	46.868	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	258768	46.283	ug/l	97
89) n-Butylbenzene	13.786	91	420842	47.974	ug/l	98
90) Hexachloroethane	14.051	117	86672	45.266	ug/l	96
91) 1,2-Dichlorobenzene	13.827	146	229600	46.336	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	14161	48.703	ug/l	81
93) 1,2,4-Trichlorobenzene	15.104	180	123770	42.941	ug/l	98
94) Hexachlorobutadiene	15.204	225	60911	41.447	ug/l	97
95) Naphthalene	15.333	128	266543	49.770	ug/l	99
96) 1,2,3-Trichlorobenzene	15.521	180	117417	44.793	ug/l	98

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

