

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052423\
 Data File : VD076225.D
 Acq On : 24 May 2023 20:40
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/25/2023
 Supervised By :Mahesh Dadoda 05/25/2023

Quant Time: May 25 06:03:41 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	184722	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	320230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	303679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	169178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	83312	46.666	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.340%		
35) Dibromofluoromethane	7.804	113	100364	45.342	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.680%		
50) Toluene-d8	10.269	98	379725	44.007	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.020%		
62) 4-Bromofluorobenzene	12.575	95	109801	45.809	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.620%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	69258	41.572	ug/l	99
3) Chloromethane	2.146	50	150638	55.549	ug/l	98
4) Vinyl Chloride	2.275	62	179568	49.978	ug/l	97
5) Bromomethane	2.681	94	100460	41.530	ug/l	99
6) Chloroethane	2.828	64	123895	51.255	ug/l	96
7) Trichlorofluoromethane	3.164	101	134919	44.303	ug/l	98
8) Diethyl Ether	3.587	74	52042	51.964	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.952	101	92800	46.261	ug/l	92
10) Methyl Iodide	4.152	142	109004	52.261	ug/l	89
11) Tert butyl alcohol	5.063	59	27690	293.206	ug/l #	100
12) 1,1-Dichloroethene	3.928	96	91246	45.704	ug/l	91
13) Acrolein	3.793	56	40484	175.156	ug/l	96
14) Allyl chloride	4.552	41	99595	49.154	ug/l #	79
15) Acrylonitrile	5.252	53	121194	292.266	ug/l	95
16) Acetone	4.022	43	82212	231.449	ug/l #	86
17) Carbon Disulfide	4.263	76	238102	43.712	ug/l	96
18) Methyl Acetate	4.558	43	73790	58.236	ug/l #	82
19) Methyl tert-butyl Ether	5.310	73	216151	55.315	ug/l	97
20) Methylene Chloride	4.793	84	153360	55.947	ug/l #	79
21) trans-1,2-Dichloroethene	5.310	96	110613	48.073	ug/l #	76
22) Diisopropyl ether	6.210	45	260031	55.289	ug/l #	90
23) Vinyl Acetate	6.152	43	524455m	283.610	ug/l	
24) 1,1-Dichloroethane	6.110	63	186061	50.164	ug/l	98
25) 2-Butanone	7.081	43	121987	273.131	ug/l #	73
26) 2,2-Dichloropropane	7.069	77	137883	45.590	ug/l	89
27) cis-1,2-Dichloroethene	7.075	96	128419	50.294	ug/l	85
28) Bromochloromethane	7.416	49	62954	50.903	ug/l #	65
29) Tetrahydrofuran	7.440	42	78828	302.812	ug/l #	68
30) Chloroform	7.593	83	202546	51.065	ug/l	96
31) Cyclohexane	7.869	56	123011	44.989	ug/l	87
32) 1,1,1-Trichloroethane	7.793	97	151821	48.030	ug/l	97
36) 1,1-Dichloropropene	8.004	75	133652	44.708	ug/l	94
37) Ethyl Acetate	7.163	43	52932	51.133	ug/l #	81
38) Carbon Tetrachloride	7.987	117	119166	44.132	ug/l	98
39) Methylcyclohexane	9.275	83	149262	43.368	ug/l	95
40) Benzene	8.246	78	450519	46.875	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	26541	46.759	ug/l #	65
42) 1,2-Dichloroethane	8.322	62	109127	48.004	ug/l	91
43) Isopropyl Acetate	8.357	43	102698	53.108	ug/l #	85
44) Trichloroethene	9.022	130	118347	43.693	ug/l	93
45) 1,2-Dichloropropane	9.304	63	114050	48.109	ug/l	94
46) Dibromomethane	9.393	93	64407	48.469	ug/l	94
47) Bromodichloromethane	9.581	83	153051	47.924	ug/l	99
48) Methyl methacrylate	9.375	41	44455	51.943	ug/l #	62
49) 1,4-Dioxane	9.387	88	16772	1180.305	ug/l #	73
51) 4-Methyl-2-Pentanone	10.157	43	285599	277.696	ug/l #	82
52) Toluene	10.334	92	287024	47.816	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	144135	50.076	ug/l	93
54) cis-1,3-Dichloropropene	10.016	75	173850	49.492	ug/l #	76
55) 1,1,2-Trichloroethane	10.734	97	96930	50.867	ug/l	95
56) Ethyl methacrylate	10.598	69	105460	55.060	ug/l #	69
57) 1,3-Dichloropropane	10.881	76	150176	50.233	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	241118	262.369	ug/l	92
59) 2-Hexanone	10.922	43	194143	267.674	ug/l	77
60) Dibromochloromethane	11.075	129	107941	50.378	ug/l	98
61) 1,2-Dibromoethane	11.175	107	86095	50.790	ug/l	99
64) Tetrachloroethene	10.810	164	97411	41.714	ug/l	94
65) Chlorobenzene	11.604	112	317103	45.867	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	111941	47.050	ug/l	95
67) Ethyl Benzene	11.681	91	522748	47.320	ug/l	96
68) m/p-Xylenes	11.792	106	433821	96.085	ug/l	91
69) o-Xylene	12.122	106	202844	49.237	ug/l	90
70) Styrene	12.134	104	360435	50.462	ug/l	94
71) Bromoform	12.298	173	64211	47.981	ug/l #	99
73) Isopropylbenzene	12.422	105	500352	44.709	ug/l	97
74) N-amyl acetate	12.234	43	93848	47.079	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	12.675	83	108566	45.136	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	70658m	47.727	ug/l	
77) Bromobenzene	12.698	156	128488	42.835	ug/l	94
78) n-propylbenzene	12.763	91	624824	44.854	ug/l	97
79) 2-Chlorotoluene	12.845	91	339371	44.019	ug/l	90
80) 1,3,5-Trimethylbenzene	12.904	105	417354	44.986	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.469	75	32781	46.451	ug/l #	71
82) 4-Chlorotoluene	12.945	91	356974	43.531	ug/l	92
83) tert-Butylbenzene	13.169	119	356917	45.522	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	428184	46.343	ug/l	93
85) sec-Butylbenzene	13.345	105	547266	44.787	ug/l	98
86) p-Isopropyltoluene	13.463	119	453698	45.377	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	265573	43.789	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	263961	43.955	ug/l	96
89) n-Butylbenzene	13.786	91	417332	44.292	ug/l	98
90) Hexachloroethane	14.051	117	84488	41.081	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	233855	43.939	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	14744	47.210	ug/l	84
93) 1,2,4-Trichlorobenzene	15.098	180	128100	41.378	ug/l	98
94) Hexachlorobutadiene	15.204	225	59158	37.478	ug/l	98
95) Naphthalene	15.333	128	275294	47.858	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	120823	42.912	ug/l	98

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

