

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041723\
 Data File : VD075714.D
 Acq On : 17 Apr 2023 21:32
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/18/2023
 Supervised By : Mahesh Dadoda 04/18/2023

Quant Time: Apr 18 01:20:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	184310	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	316467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	301323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	173460	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	85999	49.157	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.320%		
35) Dibromofluoromethane	7.805	113	105899	49.752	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.500%		
50) Toluene-d8	10.269	98	431612	50.635	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.280%		
62) 4-Bromofluorobenzene	12.575	95	134923	59.552	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	119.100%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	85428	49.884	ug/l	100
3) Chloromethane	2.146	50	148186	47.921	ug/l	98
4) Vinyl Chloride	2.281	62	192369	46.880	ug/l	98
5) Bromomethane	2.687	94	141204	44.073	ug/l	97
6) Chloroethane	2.834	64	130563	47.258	ug/l	96
7) Trichlorofluoromethane	3.175	101	158687	49.910	ug/l	97
8) Diethyl Ether	3.593	74	50275	50.805	ug/l	66
9) 1,1,2-Trichlorotrifluo...	3.964	101	103772	52.048	ug/l	94
10) Methyl Iodide	4.164	142	140238	51.395	ug/l	91
11) Tert butyl alcohol	5.064	59	21569	245.661	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	102644	49.721	ug/l	86
13) Acrolein	3.793	56	32586	183.997	ug/l	94
14) Allyl chloride	4.558	41	91426	48.629	ug/l #	80
15) Acrylonitrile	5.258	53	100964	273.169	ug/l	95
16) Acetone	4.016	43	73221	228.458	ug/l #	85
17) Carbon Disulfide	4.269	76	317589	47.011	ug/l	97
18) Methyl Acetate	4.569	43	69155	63.986	ug/l #	71
19) Methyl tert-butyl Ether	5.316	73	210290	52.489	ug/l	97
20) Methylene Chloride	4.799	84	172666	71.644	ug/l #	73
21) trans-1,2-Dichloroethene	5.311	96	125677	51.116	ug/l #	78
22) Diisopropyl ether	6.216	45	228179	53.710	ug/l #	89
23) Vinyl Acetate	6.158	43	508017m	257.448	ug/l	
24) 1,1-Dichloroethane	6.111	63	179485	50.986	ug/l #	95
25) 2-Butanone	7.081	43	103043	249.704	ug/l #	71
26) 2,2-Dichloropropane	7.075	77	145947	45.730	ug/l	90
27) cis-1,2-Dichloroethene	7.081	96	138713	50.931	ug/l	78
28) Bromochloromethane	7.422	49	57526	51.696	ug/l #	54
29) Tetrahydrofuran	7.446	42	62381	276.429	ug/l #	54
30) Chloroform	7.599	83	200956	50.355	ug/l	99
31) Cyclohexane	7.881	56	136772	49.820	ug/l #	78
32) 1,1,1-Trichloroethane	7.793	97	163412	50.217	ug/l	95
36) 1,1-Dichloropropene	8.005	75	146381	49.848	ug/l	92
37) Ethyl Acetate	7.163	43	42678	47.757	ug/l #	76
38) Carbon Tetrachloride	7.987	117	132042	51.062	ug/l	97
39) Methylcyclohexane	9.275	83	183634	54.080	ug/l	90
40) Benzene	8.252	78	460354	50.429	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	21126	49.262	ug/l #	52
42) 1,2-Dichloroethane	8.322	62	107150	51.676	ug/l	90
43) Isopropyl Acetate	8.363	43	84028	51.564	ug/l #	77
44) Trichloroethene	9.028	130	126550	48.983	ug/l	97
45) 1,2-Dichloropropane	9.304	63	105204	51.427	ug/l	99
46) Dibromomethane	9.393	93	66571	51.296	ug/l	97
47) Bromodichloromethane	9.587	83	151468	51.023	ug/l	96
48) Methyl methacrylate	9.381	41	37714	51.946	ug/l #	56
49) 1,4-Dioxane	9.387	88	13839	1074.794	ug/l #	76
51) 4-Methyl-2-Pentanone	10.157	43	230884	265.733	ug/l #	77
52) Toluene	10.334	92	298975	49.253	ug/l	94
53) t-1,3-Dichloropropene	10.557	75	139771	49.116	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	167466	49.529	ug/l #	77
55) 1,1,2-Trichloroethane	10.734	97	93494	49.755	ug/l	98
56) Ethyl methacrylate	10.599	69	97221	52.573	ug/l #	64
57) 1,3-Dichloropropane	10.881	76	143339	50.246	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	218299	274.870	ug/l #	87
59) 2-Hexanone	10.922	43	159033	260.322	ug/l	72
60) Dibromochloromethane	11.075	129	107018	48.671	ug/l	98
61) 1,2-Dibromoethane	11.181	107	87358	48.735	ug/l	97
64) Tetrachloroethene	10.810	164	105818	48.762	ug/l	91
65) Chlorobenzene	11.610	112	326232	50.547	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	111106	50.076	ug/l	93
67) Ethyl Benzene	11.687	91	551833	52.684	ug/l	94
68) m/p-Xylenes	11.793	106	463163	107.897	ug/l	88
69) o-Xylene	12.122	106	227660	58.652	ug/l	89
70) Styrene	12.134	104	392100	54.956	ug/l	94
71) Bromoform	12.298	173	72783	62.752	ug/l #	97
73) Isopropylbenzene	12.422	105	565750	49.696	ug/l	97
74) N-amyl acetate	12.234	43	82375	49.242	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	12.675	83	110080	49.777	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	64487m	45.588	ug/l	
77) Bromobenzene	12.704	156	152157	51.844	ug/l	85
78) n-propylbenzene	12.763	91	683975	49.015	ug/l	95
79) 2-Chlorotoluene	12.851	91	375414	47.433	ug/l	88
80) 1,3,5-Trimethylbenzene	12.904	105	481863	50.773	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	31348	48.032	ug/l #	73
82) 4-Chlorotoluene	12.951	91	390541	47.455	ug/l	91
83) tert-Butylbenzene	13.169	119	420569	52.557	ug/l	93
84) 1,2,4-Trimethylbenzene	13.216	105	493472	51.819	ug/l	94
85) sec-Butylbenzene	13.345	105	615513	49.859	ug/l	96
86) p-Isopropyltoluene	13.463	119	506971	49.330	ug/l	93
87) 1,3-Dichlorobenzene	13.457	146	297656	48.751	ug/l	95
88) 1,4-Dichlorobenzene	13.540	146	297032	49.243	ug/l	96
89) n-Butylbenzene	13.792	91	475801	50.260	ug/l	98
90) Hexachloroethane	14.057	117	89376	43.770	ug/l	99
91) 1,2-Dichlorobenzene	13.834	146	270761	51.768	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	13952	47.063	ug/l	83
93) 1,2,4-Trichlorobenzene	15.104	180	127453	41.886	ug/l	95
94) Hexachlorobutadiene	15.204	225	58569	40.271	ug/l	97
95) Naphthalene	15.334	128	262038	45.456	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	114419	42.722	ug/l	99

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

