

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041723\
 Data File : VD075694.D
 Acq On : 17 Apr 2023 10:47
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Apr 18 01:16:24 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	228901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	365018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	369665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	175598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	97345	44.803	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.600%		
35) Dibromofluoromethane	7.805	113	122132	49.746	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.500%		
50) Toluene-d8	10.269	98	490726	49.913	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.820%		
62) 4-Bromofluorobenzene	12.575	95	135034	51.673	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.340%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	108196	50.871	ug/l	97
3) Chloromethane	2.146	50	160510	41.795	ug/l	100
4) Vinyl Chloride	2.287	62	233748	45.868	ug/l	98
5) Bromomethane	2.693	94	181588	45.636	ug/l	95
6) Chloroethane	2.840	64	155599	45.348	ug/l	92
7) Trichlorofluoromethane	3.175	101	204472	51.783	ug/l	98
8) Diethyl Ether	3.593	74	52842	42.997	ug/l	69
9) 1,1,2-Trichlorotrifluo...	3.964	101	130349	52.642	ug/l	95
10) Methyl Iodide	4.164	142	160120	47.250	ug/l	90
11) Tert butyl alcohol	5.052	59	22702	208.196	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	124590	48.595	ug/l	87
13) Acrolein	3.793	56	49220	223.780	ug/l	98
14) Allyl chloride	4.564	41	104707	44.843	ug/l #	82
15) Acrylonitrile	5.258	53	107082	233.283	ug/l	95
16) Acetone	4.017	43	108267	272.000	ug/l #	84
17) Carbon Disulfide	4.270	76	378898	45.161	ug/l	99
18) Methyl Acetate	4.564	43	60491	45.066	ug/l #	72
19) Methyl tert-butyl Ether	5.317	73	228499	45.923	ug/l	96
20) Methylene Chloride	4.805	84	140500	45.189	ug/l #	73
21) trans-1,2-Dichloroethene	5.317	96	145451	47.635	ug/l #	73
22) Diisopropyl ether	6.216	45	249768	47.339	ug/l #	90
23) Vinyl Acetate	6.152	43	609727	248.799	ug/l #	86
24) 1,1-Dichloroethane	6.111	63	203256	46.491	ug/l	99
25) 2-Butanone	7.081	43	125545	244.967	ug/l #	71
26) 2,2-Dichloropropane	7.075	77	184720	46.604	ug/l	89
27) cis-1,2-Dichloroethene	7.081	96	155400	45.943	ug/l	80
28) Bromochloromethane	7.422	49	62264	45.053	ug/l #	40
29) Tetrahydrofuran	7.440	42	67029	239.164	ug/l #	55
30) Chloroform	7.593	83	229809	46.367	ug/l	100
31) Cyclohexane	7.875	56	170340	49.961	ug/l #	77
32) 1,1,1-Trichloroethane	7.793	97	198262	49.058	ug/l	96
36) 1,1-Dichloropropene	8.010	75	179705	53.057	ug/l	93
37) Ethyl Acetate	7.169	43	51049	49.526	ug/l #	80
38) Carbon Tetrachloride	7.993	117	165744	55.570	ug/l	98
39) Methylcyclohexane	9.275	83	230684	58.900	ug/l #	88
40) Benzene	8.252	78	527259	50.076	ug/l	98

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41) Methacrylonitrile	7.399	41	22791	46.076	ug/l #	49
42) 1,2-Dichloroethane	8.328	62	121070	50.623	ug/l	89
43) Isopropyl Acetate	8.363	43	91295	48.572	ug/l #	78
44) Trichloroethene	9.028	130	152708	51.246	ug/l	91
45) 1,2-Dichloropropane	9.305	63	117475	49.787	ug/l	95
46) Dibromomethane	9.393	93	72789	48.627	ug/l	92
47) Bromodichloromethane	9.587	83	170425	49.773	ug/l	96
48) Methyl methacrylate	9.381	41	43306	51.715	ug/l #	59
49) 1,4-Dioxane	9.387	88	13973	940.859	ug/l #	75
51) 4-Methyl-2-Pentanone	10.157	43	253631	253.086	ug/l #	79
52) Toluene	10.334	92	351404	50.190	ug/l	95
53) t-1,3-Dichloropropene	10.557	75	165548	50.436	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	190273	48.789	ug/l #	76
55) 1,1,2-Trichloroethane	10.734	97	114468	52.814	ug/l	92
56) Ethyl methacrylate	10.599	69	116956	54.833	ug/l #	67
57) 1,3-Dichloropropane	10.881	76	175596	53.366	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	230162	251.260	ug/l #	87
59) 2-Hexanone	10.922	43	222155	315.278	ug/l	73
60) Dibromochloromethane	11.075	129	134401	52.994	ug/l	100
61) 1,2-Dibromoethane	11.181	107	105101	50.834	ug/l	96
64) Tetrachloroethene	10.810	164	153400	57.620	ug/l	95
65) Chlorobenzene	11.610	112	379181	47.889	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	129939	47.737	ug/l	95
67) Ethyl Benzene	11.687	91	648251	50.448	ug/l	97
68) m/p-Xylenes	11.793	106	542767	103.066	ug/l	90
69) o-Xylene	12.122	106	243866	51.212	ug/l	91
70) Styrene	12.140	104	422117	48.282	ug/l	93
71) Bromoform	12.304	173	71253	50.076	ug/l #	98
73) Isopropylbenzene	12.422	105	626823	54.391	ug/l	97
74) N-amyl acetate	12.240	43	86013	50.791	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.675	83	113056	50.501	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	62932m	43.947	ug/l	
77) Bromobenzene	12.704	156	150827	50.765	ug/l	87
78) n-propylbenzene	12.763	91	764868	54.145	ug/l	96
79) 2-Chlorotoluene	12.851	91	402866	50.282	ug/l	92
80) 1,3,5-Trimethylbenzene	12.904	105	516809	53.792	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	32914	49.817	ug/l #	76
82) 4-Chlorotoluene	12.951	91	415816	49.911	ug/l	90
83) tert-Butylbenzene	13.169	119	439219	54.219	ug/l	94
84) 1,2,4-Trimethylbenzene	13.216	105	517352	53.665	ug/l	93
85) sec-Butylbenzene	13.345	105	691936	55.367	ug/l	98
86) p-Isopropyltoluene	13.463	119	575786	55.344	ug/l	93
87) 1,3-Dichlorobenzene	13.463	146	313342	50.695	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	308122	50.459	ug/l	97
89) n-Butylbenzene	13.793	91	528590	55.157	ug/l	98
90) Hexachloroethane	14.057	117	105051	50.820	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	265439	50.133	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	14022	46.723	ug/l	70
93) 1,2,4-Trichlorobenzene	15.104	180	150908	48.991	ug/l	97
94) Hexachlorobutadiene	15.210	225	74481	50.589	ug/l	98
95) Naphthalene	15.334	128	292140	50.061	ug/l	100
96) 1,2,3-Trichlorobenzene	15.528	180	132547	48.888	ug/l	99

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

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