

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072723\
 Data File : VD076844.D
 Acq On : 27 Jul 2023 20:02
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 28 03:01:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/28/2023
 Supervised By : Mahesh Dadoda 07/28/2023

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	166008	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	308824	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	288386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	137471	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	79339	47.983	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.960%		
35) Dibromofluoromethane	7.799	113	94640	48.767	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.540%		
50) Toluene-d8	10.269	98	308181	44.390	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.780%		
62) 4-Bromofluorobenzene	12.575	95	107623	47.920	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.840%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	62964	48.503	ug/l	94
3) Chloromethane	2.146	50	115788	51.706	ug/l	97
4) Vinyl Chloride	2.270	62	152677	51.146	ug/l	99
5) Bromomethane	2.675	94	102376	41.682	ug/l	100
6) Chloroethane	2.822	64	113470	50.345	ug/l	97
7) Trichlorofluoromethane	3.158	101	140884	53.040	ug/l	97
8) Diethyl Ether	3.587	74	47700	52.158	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.952	101	88450	50.658	ug/l	96
10) Methyl Iodide	4.146	142	96230	48.892	ug/l	93
11) Tert butyl alcohol	5.075	59	36343	294.548	ug/l	95
12) 1,1-Dichloroethene	3.922	96	78428	47.810	ug/l	90
13) Acrolein	3.793	56	12708	151.137	ug/l	98
14) Allyl chloride	4.552	41	105877	49.132	ug/l	91
15) Acrylonitrile	5.240	53	122612	272.976	ug/l	99
16) Acetone	4.022	43	90694	229.670	ug/l	96
17) Carbon Disulfide	4.258	76	171578	44.782	ug/l	98
18) Methyl Acetate	4.564	43	93259	62.858	ug/l	92
19) Methyl tert-butyl Ether	5.316	73	232789	52.918	ug/l	100
20) Methylene Chloride	4.787	84	145571	64.998	ug/l	95
21) trans-1,2-Dichloroethene	5.299	96	93225	48.891	ug/l	98
22) Diisopropyl ether	6.211	45	269398	52.793	ug/l	94
23) Vinyl Acetate	6.146	43	629891	249.479	ug/l	93
24) 1,1-Dichloroethane	6.099	63	180030	52.326	ug/l	96
25) 2-Butanone	7.081	43	144970	274.305	ug/l	# 86
26) 2,2-Dichloropropane	7.069	77	136802	46.126	ug/l	96
27) cis-1,2-Dichloroethene	7.075	96	121503	51.689	ug/l	96
28) Bromochloromethane	7.422	49	40521	47.108	ug/l	90
29) Tetrahydrofuran	7.446	42	90039	288.349	ug/l	93
30) Chloroform	7.587	83	205582	54.555	ug/l	93
31) Cyclohexane	7.869	56	110631	45.463	ug/l	99
32) 1,1,1-Trichloroethane	7.787	97	161041	52.967	ug/l	98
36) 1,1-Dichloropropene	7.999	75	127462	50.263	ug/l	98
37) Ethyl Acetate	7.169	43	62092	54.750	ug/l	96
38) Carbon Tetrachloride	7.987	117	127069	52.331	ug/l	96
39) Methylcyclohexane	9.269	83	138983	47.465	ug/l	93
40) Benzene	8.246	78	398920	49.856	ug/l	96

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41) Methacrylonitrile	7.399	41	32658	47.156	ug/l #	92
42) 1,2-Dichloroethane	8.322	62	115002	55.315	ug/l	96
43) Isopropyl Acetate	8.363	43	120921	54.634	ug/l	92
44) Trichloroethene	9.022	130	106895	49.025	ug/l	95
45) 1,2-Dichloropropane	9.299	63	108591	52.575	ug/l	97
46) Dibromomethane	9.387	93	65167	53.902	ug/l	90
47) Bromodichloromethane	9.581	83	158425	52.217	ug/l	93
48) Methyl methacrylate	9.375	41	53747	53.355	ug/l #	83
49) 1,4-Dioxane	9.381	88	17777	1147.655	ug/l	94
51) 4-Methyl-2-Pentanone	10.157	43	339579	288.162	ug/l	93
52) Toluene	10.334	92	262884	50.023	ug/l	97
53) t-1,3-Dichloropropene	10.552	75	145479	51.661	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	167838	50.571	ug/l #	91
55) 1,1,2-Trichloroethane	10.734	97	92599	52.451	ug/l	94
56) Ethyl methacrylate	10.599	69	108257	53.128	ug/l #	89
57) 1,3-Dichloropropane	10.881	76	149528	52.008	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	184329	233.700	ug/l	96
59) 2-Hexanone	10.922	43	233590	277.799	ug/l	91
60) Dibromochloromethane	11.075	129	110469	53.863	ug/l	93
61) 1,2-Dibromoethane	11.175	107	85533	52.257	ug/l	99
64) Tetrachloroethene	10.804	164	89163	54.221	ug/l	91
65) Chlorobenzene	11.604	112	292805	50.483	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	114065	52.823	ug/l	97
67) Ethyl Benzene	11.681	91	511423	50.208	ug/l	99
68) m/p-Xylenes	11.793	106	398512	101.868	ug/l	91
69) o-Xylene	12.122	106	194997	51.546	ug/l	93
70) Styrene	12.134	104	339170	51.216	ug/l	96
71) Bromoform	12.298	173	65413	55.310	ug/l #	99
73) Isopropylbenzene	12.422	105	516861	51.822	ug/l	95
74) N-amyl acetate	12.234	43	113509	54.021	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.669	83	113665	53.078	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	72873m	55.742	ug/l	
77) Bromobenzene	12.698	156	123446	53.621	ug/l	89
78) n-propylbenzene	12.763	91	618201	51.127	ug/l	97
79) 2-Chlorotoluene	12.851	91	343181	51.763	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	411621	51.040	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	30185	49.139	ug/l	95
82) 4-Chlorotoluene	12.945	91	350624	50.624	ug/l	95
83) tert-Butylbenzene	13.163	119	379323	53.419	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	414572	50.304	ug/l	97
85) sec-Butylbenzene	13.345	105	571956	52.720	ug/l	94
86) p-Isopropyltoluene	13.463	119	469685	52.421	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	242782	51.272	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	235915	50.851	ug/l	98
89) n-Butylbenzene	13.787	91	455800	51.987	ug/l	96
90) Hexachloroethane	14.051	117	95500	57.653	ug/l	84
91) 1,2-Dichlorobenzene	13.828	146	216078	51.786	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	16696	54.681	ug/l	86
93) 1,2,4-Trichlorobenzene	15.098	180	134440	52.777	ug/l	97
94) Hexachlorobutadiene	15.204	225	63121	51.522	ug/l	97
95) Naphthalene	15.328	128	331249	60.057	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	125991	55.115	ug/l	97

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

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