

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041423\
 Data File : VD075692.D
 Acq On : 14 Apr 2023 21:36
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 17 09:18:22 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

Manual Integrations APPROVED

Reviewed By :John
 Carlone
 04/17/2023

Supervised By :Mahesh
 Dadoda
 04/17/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	187830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	336266	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	324017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	169964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	95468	53.547	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.100%			
35) Dibromofluoromethane	7.805	113	115308	50.982	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.960%			
50) Toluene-d8	10.269	98	454532	50.184	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.360%			
62) 4-Bromofluorobenzene	12.575	95	132376	54.987	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	76409	43.781	ug/l	97
3) Chloromethane	2.146	50	148801	47.218	ug/l	97
4) Vinyl Chloride	2.275	62	182400	43.618	ug/l	100
5) Bromomethane	2.681	94	122000	37.365	ug/l	98
6) Chloroethane	2.828	64	120791	42.902	ug/l	96
7) Trichlorofluoromethane	3.164	101	138080	42.615	ug/l	97
8) Diethyl Ether	3.593	74	47120	46.725	ug/l	68
9) 1,1,2-Trichlorotrifluo...	3.952	101	88310	43.463	ug/l	94
10) Methyl Iodide	4.152	142	122955	44.216	ug/l	92
11) Tert butyl alcohol	5.064	59	22667	253.328	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	91948	43.705	ug/l	84
13) Acrolein	3.799	56	43252	239.645	ug/l	97
14) Allyl chloride	4.558	41	83990	43.836	ug/l #	79
15) Acrylonitrile	5.252	53	92539	245.682	ug/l	99
16) Acetone	4.022	43	64719	198.147	ug/l #	79
17) Carbon Disulfide	4.264	76	289657	42.073	ug/l	97
18) Methyl Acetate	4.564	43	54694	49.657	ug/l #	71
19) Methyl tert-butyl Ether	5.316	73	197479	48.367	ug/l	93
20) Methylene Chloride	4.799	84	122272	48.233	ug/l #	73
21) trans-1,2-Dichloroethene	5.311	96	110777	44.212	ug/l #	76
22) Diisopropyl ether	6.211	45	211715	48.901	ug/l #	90
23) Vinyl Acetate	6.152	43	506254	251.747	ug/l #	83
24) 1,1-Dichloroethane	6.105	63	161431	44.998	ug/l	96
25) 2-Butanone	7.081	43	95593	227.309	ug/l #	74
26) 2,2-Dichloropropane	7.069	77	125670	38.639	ug/l	92
27) cis-1,2-Dichloroethene	7.075	96	123574	44.522	ug/l	80
28) Bromochloromethane	7.428	49	61170	53.940	ug/l #	47
29) Tetrahydrofuran	7.446	42	60162	261.600	ug/l #	54
30) Chloroform	7.593	83	182869	44.964	ug/l	96
31) Cyclohexane	7.869	56	114638	40.975	ug/l #	77
32) 1,1,1-Trichloroethane	7.787	97	144415	43.548	ug/l	95
36) 1,1-Dichloropropene	8.005	75	129890	41.628	ug/l	94
37) Ethyl Acetate	7.169	43	46555	49.028	ug/l #	79
38) Carbon Tetrachloride	7.987	117	113535	41.320	ug/l	95
39) Methylcyclohexane	9.275	83	157913	43.767	ug/l #	86
40) Benzene	8.246	78	420035	43.303	ug/l	99

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41) Methacrylonitrile	7.405	41	21067	46.232	ug/l #	59
42) 1,2-Dichloroethane	8.322	62	100745	45.726	ug/l	90
43) Isopropyl Acetate	8.358	43	83838	48.418	ug/l #	82
44) Trichloroethene	9.022	130	112779	41.082	ug/l	95
45) 1,2-Dichloropropane	9.305	63	95271	43.829	ug/l	95
46) Dibromomethane	9.393	93	62217	45.118	ug/l	97
47) Bromodichloromethane	9.581	83	140235	44.457	ug/l	97
48) Methyl methacrylate	9.381	41	36004	46.671	ug/l #	55
49) 1,4-Dioxane	9.381	88	14132	1032.927	ug/l #	74
51) 4-Methyl-2-Pentanone	10.157	43	223933	242.558	ug/l #	78
52) Toluene	10.334	92	275542	42.720	ug/l	97
53) t-1,3-Dichloropropene	10.552	75	129556	42.846	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	155626	43.317	ug/l #	75
55) 1,1,2-Trichloroethane	10.734	97	87807	43.977	ug/l	95
56) Ethyl methacrylate	10.599	69	92109	46.876	ug/l #	65
57) 1,3-Dichloropropane	10.881	76	136059	44.886	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	252709	299.462	ug/l #	87
59) 2-Hexanone	10.922	43	151605	233.551	ug/l	73
60) Dibromochloromethane	11.075	129	102927	44.054	ug/l	100
61) 1,2-Dibromoethane	11.181	107	84778	44.511	ug/l	100
64) Tetrachloroethene	10.810	164	98615	42.260	ug/l	98
65) Chlorobenzene	11.604	112	299717	43.186	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	103533	43.394	ug/l	94
67) Ethyl Benzene	11.681	91	497103	44.135	ug/l	98
68) m/p-Xylenes	11.793	106	421245	91.259	ug/l	88
69) o-Xylene	12.122	106	195282	46.787	ug/l	90
70) Styrene	12.134	104	339571	44.351	ug/l	94
71) Bromoform	12.298	173	60014	48.119	ug/l #	99
73) Isopropylbenzene	12.422	105	472403	42.350	ug/l	99
74) N-amyl acetate	12.234	43	76982	46.965	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	12.675	83	97662	45.071	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	64754m	46.719	ug/l	
77) Bromobenzene	12.698	156	122446	42.579	ug/l	89
78) n-propylbenzene	12.763	91	576982	42.198	ug/l	97
79) 2-Chlorotoluene	12.851	91	316578	40.822	ug/l	91
80) 1,3,5-Trimethylbenzene	12.904	105	397894	42.788	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	27239	42.595	ug/l #	73
82) 4-Chlorotoluene	12.945	91	335322	41.583	ug/l	94
83) tert-Butylbenzene	13.169	119	334342	42.641	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	404477	43.347	ug/l	94
85) sec-Butylbenzene	13.345	105	510418	42.197	ug/l	98
86) p-Isopropyltoluene	13.463	119	432139	42.913	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	247144	41.311	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	245593	41.553	ug/l	97
89) n-Butylbenzene	13.787	91	388658	41.900	ug/l	99
90) Hexachloroethane	14.051	117	81353	40.661	ug/l	99
91) 1,2-Dichlorobenzene	13.834	146	219688	42.867	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	12852	44.244	ug/l	73
93) 1,2,4-Trichlorobenzene	15.104	180	121951	40.902	ug/l	98
94) Hexachlorobutadiene	15.204	225	54939	38.552	ug/l	95
95) Naphthalene	15.334	128	255120	45.166	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	107181	40.843	ug/l	99

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

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