

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102722\
 Data File : VD074657.D
 Acq On : 27 Oct 2022 17:50
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/31/2022
 Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 23:52:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 23:51:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	136872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	223207	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	205680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	86203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	56639	52.992	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.980%			
35) Dibromofluoromethane	7.805	113	68810	49.159	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.320%			
50) Toluene-d8	10.269	98	279876	60.115	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 120.240%			
62) 4-Bromofluorobenzene	12.569	95	72440	47.601	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.200%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	54568	50.776	ug/l	95
3) Chloromethane	2.146	50	84732	57.082	ug/l	95
4) Vinyl Chloride	2.281	62	96101	58.456	ug/l	100
5) Bromomethane	2.687	94	68187	54.397	ug/l	96
6) Chloroethane	2.834	64	64150	57.052	ug/l	97
7) Trichlorofluoromethane	3.170	101	111960	49.460	ug/l	96
8) Diethyl Ether	3.593	74	33477	51.654	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.969	101	69760	48.277	ug/l	98
10) Methyl Iodide	4.158	142	83341	51.170	ug/l	99
11) Tert butyl alcohol	5.046	59	23055	132.385	ug/l #	94
12) 1,1-Dichloroethene	3.940	96	72462	49.872	ug/l	96
13) Acrolein	3.793	56	24233	221.287	ug/l	95
14) Allyl chloride	4.558	41	77017	49.569	ug/l	99
15) Acrylonitrile	5.258	53	62296	238.202	ug/l	99
16) Acetone	4.017	43	55680	245.267	ug/l	92
17) Carbon Disulfide	4.269	76	222593	54.514	ug/l	100
18) Methyl Acetate	4.558	43	28142	41.581	ug/l	98
19) Methyl tert-butyl Ether	5.316	73	142056	50.465	ug/l	97
20) Methylene Chloride	4.799	84	91063	37.931	ug/l	92
21) trans-1,2-Dichloroethene	5.311	96	82513	50.639	ug/l	89
22) Diisopropyl ether	6.216	45	166612	52.471	ug/l	95
23) Vinyl Acetate	6.152	43	325494m	238.085	ug/l	
24) 1,1-Dichloroethane	6.111	63	121362	49.661	ug/l	96
25) 2-Butanone	7.081	43	72376	238.862	ug/l	89
26) 2,2-Dichloropropane	7.075	77	106505	45.687	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	89620	50.040	ug/l	98
28) Bromochloromethane	7.422	49	41443	67.108	ug/l	99
29) Tetrahydrofuran	7.446	42	42796	257.965	ug/l	98
30) Chloroform	7.593	83	129778	49.243	ug/l	100
31) Cyclohexane	7.875	56	106585	50.160	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	116820	48.367	ug/l	98
36) 1,1-Dichloropropene	8.005	75	102350	50.623	ug/l	99
37) Ethyl Acetate	7.169	43	30253	48.284	ug/l	96
38) Carbon Tetrachloride	7.993	117	98369	50.074	ug/l	94
39) Methylcyclohexane	9.275	83	129315	53.403	ug/l	96
40) Benzene	8.252	78	306486	51.424	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	17272	49.524	ug/l	98
42) 1,2-Dichloroethane	8.322	62	70267	51.101	ug/l	100
43) Isopropyl Acetate	8.357	43	58970	50.494	ug/l	98
44) Trichloroethene	9.028	130	88792	50.780	ug/l	100
45) 1,2-Dichloropropane	9.304	63	67954	51.854	ug/l	91
46) Dibromomethane	9.393	93	39066	51.786	ug/l	98
47) Bromodichloromethane	9.587	83	95140	51.216	ug/l #	95
48) Methyl methacrylate	9.381	41	26935	50.220	ug/l	97
49) 1,4-Dioxane	9.387	88	8441	1136.159	ug/l	98
51) 4-Methyl-2-Pentanone	10.157	43	151506	260.250	ug/l	99
52) Toluene	10.334	92	200559	54.328	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	85222	52.058	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	108410	52.304	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	54335	52.476	ug/l	97
56) Ethyl methacrylate	10.599	69	61537	54.483	ug/l	98
57) 1,3-Dichloropropane	10.881	76	86793	51.781	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	64242	255.202	ug/l	99
59) 2-Hexanone	10.922	43	106272	265.944	ug/l	100
60) Dibromochloromethane	11.075	129	67544	54.050	ug/l	98
61) 1,2-Dibromoethane	11.181	107	51755	54.479	ug/l	97
64) Tetrachloroethene	10.810	164	73459	48.282	ug/l	97
65) Chlorobenzene	11.604	112	214270	49.634	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	72390	48.997	ug/l	97
67) Ethyl Benzene	11.681	91	376655	49.889	ug/l	98
68) m/p-Xylenes	11.793	106	291591	96.494	ug/l	97
69) o-Xylene	12.116	106	128337	46.205	ug/l	96
70) Styrene	12.134	104	215889	46.209	ug/l	99
71) Bromoform	12.298	173	33749	43.667	ug/l #	98
73) Isopropylbenzene	12.422	105	329682	49.427	ug/l	100
74) N-amyl acetate	12.234	43	50550	51.085	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.669	83	51773	49.008	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	37727m	51.214	ug/l	
77) Bromobenzene	12.698	156	76129	50.544	ug/l	98
78) n-propylbenzene	12.763	91	399561	50.402	ug/l	99
79) 2-Chlorotoluene	12.845	91	209289	48.941	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	272451	49.999	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	13282	45.528	ug/l	91
82) 4-Chlorotoluene	12.945	91	219313	49.677	ug/l	100
83) tert-Butylbenzene	13.163	119	242976	50.022	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	271540	50.764	ug/l	99
85) sec-Butylbenzene	13.345	105	357810	49.319	ug/l	100
86) p-Isopropyltoluene	13.457	119	303907	49.939	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	156255	49.655	ug/l	100
88) 1,4-Dichlorobenzene	13.534	146	150086	48.776	ug/l	99
89) n-Butylbenzene	13.787	91	277249	50.051	ug/l	99
90) Hexachloroethane	14.051	117	51727	48.805	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	132325	50.348	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	7144	48.891	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	86982	50.214	ug/l	100
94) Hexachlorobutadiene	15.198	225	45445	48.127	ug/l	98
95) Naphthalene	15.328	128	159815	49.276	ug/l	100
96) 1,2,3-Trichlorobenzene	15.516	180	73947	50.085	ug/l	99

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

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