

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071122\
 Data File : VD073822.D
 Acq On : 11 Jul 2022 11:18
 Operator : VA/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/12/2022
 Supervised By : Mahesh Dadoda 07/12/2022

Quant Time: Jul 12 06:37:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 12 06:36:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	118934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	231851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	212469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	91470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	9320	6.262	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	12.520%#		
35) Dibromofluoromethane	7.908	113	8438	5.780	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.560%#		
50) Toluene-d8	10.332	98	30674	6.251	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	12.500%#		
62) 4-Bromofluorobenzene	12.614	95	11237	5.434	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	10.860%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	4068	5.096	ug/l	88
3) Chloromethane	2.209	50	6006	5.823	ug/l	91
4) Vinyl Chloride	2.344	62	6985	5.538	ug/l	99
5) Bromomethane	2.762	94	5711	5.777	ug/l	85
6) Chloroethane	2.915	64	5178	5.386	ug/l	91
7) Trichlorofluoromethane	3.268	101	10075	5.169	ug/l	88
8) Diethyl Ether	3.697	74	3281	5.547	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.079	101	5988	4.941	ug/l	91
10) Methyl Iodide	4.285	142	3561	4.538	ug/l #	36
11) Tert butyl alcohol	5.173	59	16892	34.267	ug/l #	100
12) 1,1-Dichloroethene	4.056	96	4837	5.096	ug/l	97
13) Acrolein	3.926	56	217	3.012	ug/l #	47
14) Allyl chloride	4.709	41	8662	4.825	ug/l	91
15) Acrylonitrile	5.403	53	8305	24.542	ug/l	99
16) Acetone	4.156	43	7921	25.154	ug/l #	83
17) Carbon Disulfide	4.397	76	8181	5.330	ug/l	99
18) Methyl Acetate	4.709	43	7668	7.595	ug/l #	79
19) Methyl tert-butyl Ether	5.467	73	16105	4.553	ug/l	98
20) Methylene Chloride	4.956	84	10888	4.038	ug/l	92
21) trans-1,2-Dichloroethene	5.456	96	5778	5.084	ug/l #	78
22) Diisopropyl ether	6.356	45	21980	4.700	ug/l #	91
23) Vinyl Acetate	6.291	43	45968m	18.617	ug/l	
24) 1,1-Dichloroethane	6.256	63	12745	4.896	ug/l	97
25) 2-Butanone	7.197	43	10908	23.199	ug/l	91
26) 2,2-Dichloropropane	7.191	77	13097	5.321	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	7806	4.915	ug/l	96
28) Bromochloromethane	7.532	49	5752	5.664	ug/l #	97
29) Tetrahydrofuran	7.550	42	6563	23.771	ug/l	97
30) Chloroform	7.708	83	14524	5.004	ug/l #	79
31) Cyclohexane	7.979	56	12107	6.532	ug/l #	80
32) 1,1,1-Trichloroethane	7.891	97	12036	4.896	ug/l	97
36) 1,1-Dichloropropene	8.108	75	8870	4.961	ug/l	92
37) Ethyl Acetate	7.279	43	5660	5.384	ug/l #	89
38) Carbon Tetrachloride	8.091	117	9655	4.751	ug/l #	95
39) Methylcyclohexane	9.344	83	9328	5.075	ug/l	94
40) Benzene	8.344	78	26135	4.969	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	3435m	5.607	ug/l	
42) 1,2-Dichloroethane	8.408	62	9086	5.017	ug/l #	77
43) Isopropyl Acetate	8.444	43	9837	4.623	ug/l	94
44) Trichloroethene	9.097	130	6868	4.909	ug/l	83
45) 1,2-Dichloropropane	9.373	63	7621	5.046	ug/l #	69
46) Dibromomethane	9.467	93	3833	4.432	ug/l	96
47) Bromodichloromethane	9.650	83	10704	4.544	ug/l	99
48) Methyl methacrylate	9.444	41	4404	4.537	ug/l	98
49) 1,4-Dioxane	9.455	88	1020	95.070	ug/l	94
51) 4-Methyl-2-Pentanone	10.214	43	25413	22.880	ug/l	97
52) Toluene	10.391	92	16249	4.657	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	10311	4.758	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	11312	4.707	ug/l	92
55) 1,1,2-Trichloroethane	10.791	97	6015	4.970	ug/l #	83
56) Ethyl methacrylate	10.650	69	6488	4.200	ug/l	96
57) 1,3-Dichloropropane	10.932	76	9750	4.666	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.932	63	16654	27.410	ug/l	98
59) 2-Hexanone	10.973	43	16692	22.382	ug/l	94
60) Dibromochloromethane	11.132	129	7477	4.985	ug/l	95
61) 1,2-Dibromoethane	11.238	107	5377	4.807	ug/l	97
64) Tetrachloroethene	10.867	164	5662	5.377	ug/l #	78
65) Chlorobenzene	11.661	112	19304	4.840	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.732	131	6916	4.487	ug/l	94
67) Ethyl Benzene	11.732	91	36111	4.968	ug/l	97
68) m/p-Xylenes	11.844	106	25544	9.317	ug/l	97
69) o-Xylene	12.173	106	12580	4.762	ug/l	98
70) Styrene	12.185	104	21184	4.581	ug/l	99
71) Bromoform	12.349	173	3662	4.665	ug/l #	98
73) Isopropylbenzene	12.467	105	31944	4.593	ug/l	97
74) N-amyl acetate	12.279	43	8742	4.479	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	6408	4.456	ug/l	94
76) 1,2,3-Trichloropropane	12.767	75	4828m	4.696	ug/l	
77) Bromobenzene	12.749	156	7393	5.088	ug/l	94
78) n-propylbenzene	12.808	91	42884	4.889	ug/l	99
79) 2-Chlorotoluene	12.896	91	25027	5.050	ug/l	99
80) 1,3,5-Trimethylbenzene	12.944	105	26937	4.618	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	1912	4.372	ug/l #	79
82) 4-Chlorotoluene	12.991	91	25520	4.902	ug/l	100
83) tert-Butylbenzene	13.208	119	24411	4.738	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	27138	4.697	ug/l	100
85) sec-Butylbenzene	13.391	105	36988	4.662	ug/l	99
86) p-Isopropyltoluene	13.502	119	28860	4.554	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	15140	4.966	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	14898	4.842	ug/l	88
89) n-Butylbenzene	13.826	91	30307	4.729	ug/l	98
90) Hexachloroethane	14.096	117	5699	4.507	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	13381	4.970	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.485	75	1208	5.087	ug/l	88
93) 1,2,4-Trichlorobenzene	15.143	180	7652	4.943	ug/l	97
94) Hexachlorobutadiene	15.243	225	3553	4.755	ug/l	93
95) Naphthalene	15.379	128	16302	4.722	ug/l	99
96) 1,2,3-Trichlorobenzene	15.567	180	6822	5.015	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

