

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070622\
 Data File : VD073789.D
 Acq On : 06 Jul 2022 12:20
 Operator : VA/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Jul 07 04:54:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 07 04:53:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	120120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	235997	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	210999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	91025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	8989	7.426	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	14.860%#		
35) Dibromofluoromethane	7.908	113	8196	6.314	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	12.620%#		
50) Toluene-d8	10.332	98	28591	6.060	ug/l	0.00
Spiked Amount 50.000	Range 78 - 12		Recovery =	12.120%#		
62) 4-Bromofluorobenzene	12.620	95	10802	5.764	ug/l	0.00
Spiked Amount 50.000	Range 50 - 14		Recovery =	11.520%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	5501	7.403	ug/l	92
3) Chloromethane	2.203	50	6863	7.931	ug/l #	88
4) Vinyl Chloride	2.344	62	7560	7.701	ug/l #	89
5) Bromomethane	2.756	94	6738	9.624	ug/l	88
6) Chloroethane	2.914	64	5645	7.797	ug/l	98
7) Trichlorofluoromethane	3.262	101	11294	6.454	ug/l	96
8) Diethyl Ether	3.709	74	3330	5.698	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.085	101	7579	6.608	ug/l	98
10) Methyl Iodide	4.297	142	4925	6.104	ug/l	98
11) Tert butyl alcohol	5.179	59	29477	97.911	ug/l #	91
12) 1,1-Dichloroethene	4.056	96	5736	5.846	ug/l	92
13) Acrolein	3.950	56	60	1.347	ug/l #	66
14) Allyl chloride	4.709	41	10517	6.147	ug/l	92
15) Acrylonitrile	5.420	53	9039	28.051	ug/l	95
16) Acetone	4.161	43	9243	36.865	ug/l	95
17) Carbon Disulfide	4.397	76	10050	6.512	ug/l #	91
18) Methyl Acetate	4.720	43	8918	9.188	ug/l	95
19) Methyl tert-butyl Ether	5.485	73	19798	6.093	ug/l	96
20) Methylene Chloride	4.956	84	13811	8.611	ug/l	90
21) trans-1,2-Dichloroethene	5.467	96	7279	6.543	ug/l	99
22) Diisopropyl ether	6.355	45	25985	5.980	ug/l #	95
23) Vinyl Acetate	6.303	43	57208m	25.756	ug/l	
24) 1,1-Dichloroethane	6.255	63	15629	6.437	ug/l	98
25) 2-Butanone	7.208	43	14113	33.778	ug/l	94
26) 2,2-Dichloropropane	7.202	77	15101	6.809	ug/l	98
27) cis-1,2-Dichloroethene	7.202	96	8411	5.548	ug/l	79
28) Bromochloromethane	7.532	49	6440	6.935	ug/l #	97
29) Tetrahydrofuran	7.555	42	7451	28.572	ug/l	95
30) Chloroform	7.708	83	16119	6.214	ug/l	96
31) Cyclohexane	7.973	56	13788	7.380	ug/l #	73
32) 1,1,1-Trichloroethane	7.897	97	13746	6.085	ug/l	98
36) 1,1-Dichloropropene	8.102	75	10302	5.767	ug/l	96
37) Ethyl Acetate	7.291	43	5901m	6.125	ug/l	
38) Carbon Tetrachloride	8.091	117	11503	5.926	ug/l	96
39) Methylcyclohexane	9.344	83	11531	5.754	ug/l	93
40) Benzene	8.344	78	31005	5.838	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	3984	6.584	ug/l #	87
42) 1,2-Dichloroethane	8.414	62	10386	6.325	ug/l	96
43) Isopropyl Acetate	8.444	43	11240	5.475	ug/l #	97
44) Trichloroethene	9.102	130	7753	5.547	ug/l	97
45) 1,2-Dichloropropane	9.379	63	8833	5.798	ug/l #	88
46) Dibromomethane	9.467	93	4826	5.987	ug/l	97
47) Bromodichloromethane	9.655	83	12617	5.779	ug/l #	95
48) Methyl methacrylate	9.444	41	4871	5.306	ug/l	93
49) 1,4-Dioxane	9.455	88	1240	114.201	ug/l #	72
51) 4-Methyl-2-Pentanone	10.220	43	28944	27.508	ug/l	96
52) Toluene	10.391	92	19894	5.615	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	11805	5.538	ug/l	89
54) cis-1,3-Dichloropropene	10.079	75	13328	5.559	ug/l	94
55) 1,1,2-Trichloroethane	10.785	97	7072	5.901	ug/l	90
56) Ethyl methacrylate	10.655	69	8509	5.376	ug/l	98
57) 1,3-Dichloropropane	10.938	76	11665	5.771	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.938	63	18888	29.833	ug/l	99
59) 2-Hexanone	10.973	43	19308	27.027	ug/l	96
60) Dibromochloromethane	11.132	129	8275	5.659	ug/l	97
61) 1,2-Dibromoethane	11.232	107	6048	5.491	ug/l	96
64) Tetrachloroethene	10.873	164	6750	6.270	ug/l #	83
65) Chlorobenzene	11.661	112	22050	5.627	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	8355	5.635	ug/l	98
67) Ethyl Benzene	11.732	91	40158	5.602	ug/l	98
68) m/p-Xylenes	11.843	106	29657	10.857	ug/l	98
69) o-Xylene	12.167	106	14271	5.350	ug/l	97
70) Styrene	12.185	104	23154	5.039	ug/l	98
71) Bromoform	12.355	173	4030	5.153	ug/l #	89
73) Isopropylbenzene	12.467	105	38963	5.629	ug/l	97
74) N-amyl acetate	12.279	43	10066	5.297	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.714	83	7659	5.484	ug/l	96
76) 1,2,3-Trichloropropane	12.773	75	4590m	5.306	ug/l	
77) Bromobenzene	12.749	156	8312	5.867	ug/l	98
78) n-propylbenzene	12.808	91	48573	5.616	ug/l	97
79) 2-Chlorotoluene	12.896	91	27728	5.713	ug/l	98
80) 1,3,5-Trimethylbenzene	12.943	105	31895	5.528	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.508	75	2525	5.605	ug/l	87
82) 4-Chlorotoluene	12.990	91	29071	5.752	ug/l	99
83) tert-Butylbenzene	13.208	119	30003	5.856	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	30730	5.399	ug/l	97
85) sec-Butylbenzene	13.385	105	42200	5.366	ug/l	99
86) p-Isopropyltoluene	13.502	119	33666	5.342	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	17313	5.834	ug/l	96
88) 1,4-Dichlorobenzene	13.579	146	17328	5.859	ug/l	93
89) n-Butylbenzene	13.826	91	34857	5.481	ug/l	99
90) Hexachloroethane	14.096	117	7121	5.651	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	14424	5.466	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.484	75	1568	6.712	ug/l	92
93) 1,2,4-Trichlorobenzene	15.143	180	8526	5.490	ug/l	95
94) Hexachlorobutadiene	15.249	225	4235	5.523	ug/l	94
95) Naphthalene	15.379	128	17661	5.092	ug/l	96
96) 1,2,3-Trichlorobenzene	15.579	180	7592	5.588	ug/l	95

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

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