

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111122\
 Data File : VD074882.D
 Acq On : 11 Nov 2022 10:56
 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 :Krupa Patel 11/14/2022
 Supervised By :Mahesh Dadoda 11/14/2022

Quant Time: Nov 14 00:28:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:27:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	158850	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	270306	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	218720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	100519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	7682	6.222	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	12.440%#		
35) Dibromofluoromethane	7.805	113	8153	4.893	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.780%#		
50) Toluene-d8	10.269	98	28266	5.150	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	10.300%#		
62) 4-Bromofluorobenzene	12.569	95	8295	4.922	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.840%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	8016	6.755	ug/l	92
3) Chloromethane	2.146	50	12147	6.492	ug/l	99
4) Vinyl Chloride	2.281	62	12673	5.690	ug/l #	87
5) Bromomethane	2.687	94	11891	6.528	ug/l	98
6) Chloroethane	2.828	64	9724	5.945	ug/l	90
7) Trichlorofluoromethane	3.169	101	14661	5.777	ug/l	97
8) Diethyl Ether	3.587	74	3774	5.187	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.964	101	9349	5.773	ug/l	92
10) Methyl Iodide	4.164	142	6909	4.147	ug/l #	95
11) Tert butyl alcohol	5.052	59	2998	33.532	ug/l #	84
12) 1,1-Dichloroethene	3.940	96	8357	5.298	ug/l	86
13) Acrolein	3.805	56	1166	22.722	ug/l	92
14) Allyl chloride	4.564	41	8787	5.207	ug/l	99
15) Acrylonitrile	5.258	53	6961	24.480	ug/l #	91
16) Acetone	4.016	43	7040	26.846	ug/l	99
17) Carbon Disulfide	4.269	76	25798	5.749	ug/l	98
18) Methyl Acetate	4.569	43	5445	7.055	ug/l	94
19) Methyl tert-butyl Ether	5.322	73	15710	4.974	ug/l	95
20) Methylene Chloride	4.799	84	36093	10.334	ug/l	94
21) trans-1,2-Dichloroethene	5.311	96	9441	5.278	ug/l	92
22) Diisopropyl ether	6.216	45	18351	4.879	ug/l #	91
23) Vinyl Acetate	6.152	43	35182	23.190	ug/l	98
24) 1,1-Dichloroethane	6.116	63	15460	5.504	ug/l	98
25) 2-Butanone	7.087	43	9086	26.496	ug/l	100
26) 2,2-Dichloropropane	7.075	77	15593	5.908	ug/l	89
27) cis-1,2-Dichloroethene	7.075	96	10342	5.211	ug/l	93
28) Bromochloromethane	7.434	49	4776	5.271	ug/l #	96
29) Tetrahydrofuran	7.440	42	4041	21.289	ug/l	92
30) Chloroform	7.599	83	16715	5.434	ug/l	98
31) Cyclohexane	7.875	56	14041	6.063	ug/l #	83
32) 1,1,1-Trichloroethane	7.793	97	14080	5.311	ug/l	95
36) 1,1-Dichloropropene	8.010	75	11843	4.836	ug/l	100
37) Ethyl Acetate	7.169	43	3790	4.612	ug/l #	72
38) Carbon Tetrachloride	7.987	117	10802	4.686	ug/l	92
39) Methylcyclohexane	9.269	83	12653	4.823	ug/l	96
40) Benzene	8.246	78	36615	5.200	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.416	41	2221m	5.177	ug/l	
42) 1,2-Dichloroethane	8.322	62	8991	5.335	ug/l	97
43) Isopropyl Acetate	8.363	43	6940	4.795	ug/l	97
44) Trichloroethene	9.034	130	10086	5.422	ug/l	87
45) 1,2-Dichloropropane	9.304	63	8513	5.381	ug/l	97
46) Dibromomethane	9.393	93	4637	5.233	ug/l	96
47) Bromodichloromethane	9.587	83	11598	5.274	ug/l	99
48) Methyl methacrylate	9.381	41	2966	4.626	ug/l	93
49) 1,4-Dioxane	9.381	88	677	77.864	ug/l #	70
51) 4-Methyl-2-Pentanone	10.157	43	14954	21.674	ug/l	99
52) Toluene	10.334	92	18988	4.510	ug/l	94
53) t-1,3-Dichloropropene	10.551	75	8639	4.447	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	11050	4.638	ug/l	95
55) 1,1,2-Trichloroethane	10.728	97	6052	4.912	ug/l	97
56) Ethyl methacrylate	10.593	69	5368	4.030	ug/l	92
57) 1,3-Dichloropropane	10.881	76	9523	4.808	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	9808	21.373	ug/l	99
59) 2-Hexanone	10.922	43	10128	21.057	ug/l	98
60) Dibromochloromethane	11.069	129	6709	4.590	ug/l	99
61) 1,2-Dibromoethane	11.175	107	5502	4.775	ug/l	93
64) Tetrachloroethene	10.810	164	7901	5.388	ug/l #	80
65) Chlorobenzene	11.610	112	22517	5.263	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	7604	5.072	ug/l	99
67) Ethyl Benzene	11.681	91	35262	4.730	ug/l	95
68) m/p-Xylenes	11.793	106	27859	9.373	ug/l	94
69) o-Xylene	12.122	106	12418	4.541	ug/l	98
70) Styrene	12.134	104	20330	4.337	ug/l	98
71) Bromoform	12.304	173	3677	4.739	ug/l #	100
73) Isopropylbenzene	12.422	105	32007	4.626	ug/l	99
74) N-amyl acetate	12.234	43	5108	4.487	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	6423	5.248	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	4519m	5.563	ug/l	
77) Bromobenzene	12.698	156	8395	5.185	ug/l	94
78) n-propylbenzene	12.763	91	40375	4.747	ug/l	97
79) 2-Chlorotoluene	12.845	91	22326	4.872	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	26836	4.655	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.463	75	1981	5.796	ug/l #	78
82) 4-Chlorotoluene	12.945	91	23349	4.893	ug/l	100
83) tert-Butylbenzene	13.169	119	23882	4.774	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	26226	4.600	ug/l	96
85) sec-Butylbenzene	13.345	105	35789	4.704	ug/l	99
86) p-Isopropyltoluene	13.463	119	27798	4.394	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	16730	4.967	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	17628	5.274	ug/l	93
89) n-Butylbenzene	13.787	91	26910	4.581	ug/l	99
90) Hexachloroethane	14.051	117	5452	4.811	ug/l	92
91) 1,2-Dichlorobenzene	13.834	146	14503	5.064	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1016	6.021	ug/l	62
93) 1,2,4-Trichlorobenzene	15.098	180	8648	4.961	ug/l	98
94) Hexachlorobutadiene	15.204	225	4467	4.967	ug/l	95
95) Naphthalene	15.334	128	14939	4.617	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	7382	4.896	ug/l	94

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

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