

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111122\
 Data File : VD074884.D
 Acq On : 11 Nov 2022 11:52
 Operator : VA/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/14/2022
 Supervised By :Mahesh Dadoda 11/14/2022

Quant Time: Nov 14 00:29:03 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	169398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	278861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	223611	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	109122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	28830	21.897	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	43.800%#		
35) Dibromofluoromethane	7.805	113	34906	20.306	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.620%#		
50) Toluene-d8	10.269	98	114776	20.270	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	40.540%#		
62) 4-Bromofluorobenzene	12.575	95	33567	19.305	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	38.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	24628	19.462	ug/l	93
3) Chloromethane	2.146	50	38283	19.186	ug/l	98
4) Vinyl Chloride	2.275	62	45905	19.326	ug/l	100
5) Bromomethane	2.675	94	35633	18.343	ug/l	96
6) Chloroethane	2.828	64	32534	18.652	ug/l	96
7) Trichlorofluoromethane	3.169	101	52061	19.237	ug/l	95
8) Diethyl Ether	3.581	74	14724	18.975	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.964	101	32648	18.904	ug/l	97
10) Methyl Iodide	4.164	142	30280	17.042	ug/l	100
11) Tert butyl alcohol	5.058	59	9982	104.695	ug/l	98
12) 1,1-Dichloroethene	3.940	96	31151	18.517	ug/l	90
13) Acrolein	3.799	56	6725	122.892	ug/l	99
14) Allyl chloride	4.558	41	33600	18.673	ug/l	98
15) Acrylonitrile	5.252	53	29273	96.537	ug/l	98
16) Acetone	4.022	43	25685	91.848	ug/l	98
17) Carbon Disulfide	4.264	76	88648	18.524	ug/l	99
18) Methyl Acetate	4.558	43	16377	19.899	ug/l	97
19) Methyl tert-butyl Ether	5.311	73	62682	18.611	ug/l	100
20) Methylene Chloride	4.799	84	62340	16.737	ug/l #	87
21) trans-1,2-Dichloroethene	5.305	96	36489	19.127	ug/l	94
22) Diisopropyl ether	6.222	45	76643	19.110	ug/l #	96
23) Vinyl Acetate	6.152	43	161092m	99.570	ug/l	
24) 1,1-Dichloroethane	6.110	63	56108	18.733	ug/l	100
25) 2-Butanone	7.081	43	34930	95.519	ug/l	99
26) 2,2-Dichloropropane	7.081	77	52578	18.680	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	39640	18.730	ug/l	99
28) Bromochloromethane	7.428	49	18921	19.581	ug/l	95
29) Tetrahydrofuran	7.446	42	20381	100.688	ug/l	93
30) Chloroform	7.599	83	61977	18.895	ug/l	99
31) Cyclohexane	7.881	56	45556	18.446	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	53836	19.044	ug/l	98
36) 1,1-Dichloropropene	8.005	75	46088	18.243	ug/l	98
37) Ethyl Acetate	7.163	43	15599	18.401	ug/l	97
38) Carbon Tetrachloride	7.993	117	42945	18.059	ug/l	96
39) Methylcyclohexane	9.275	83	47310	17.480	ug/l	94
40) Benzene	8.252	78	134650	18.536	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	8191	18.508	ug/l	92
42) 1,2-Dichloroethane	8.328	62	32223	18.535	ug/l	98
43) Isopropyl Acetate	8.357	43	28400	19.021	ug/l #	85
44) Trichloroethene	9.028	130	33741	17.581	ug/l	98
45) 1,2-Dichloropropane	9.304	63	29244	17.916	ug/l	95
46) Dibromomethane	9.393	93	16267	17.795	ug/l	92
47) Bromodichloromethane	9.587	83	40979	18.063	ug/l	94
48) Methyl methacrylate	9.381	41	12023	18.178	ug/l	91
49) 1,4-Dioxane	9.387	88	3411	380.274	ug/l #	92
51) 4-Methyl-2-Pentanone	10.157	43	64866	91.130	ug/l	96
52) Toluene	10.334	92	77024	17.733	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	36194	18.060	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	44319	18.032	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	23304	18.334	ug/l	95
56) Ethyl methacrylate	10.598	69	24397	17.756	ug/l	97
57) 1,3-Dichloropropane	10.881	76	37181	18.195	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	41319	87.278	ug/l	98
59) 2-Hexanone	10.922	43	44517	89.715	ug/l	99
60) Dibromochloromethane	11.075	129	27539	18.264	ug/l	99
61) 1,2-Dibromoethane	11.181	107	21992	18.500	ug/l	99
64) Tetrachloroethene	10.810	164	29583	19.732	ug/l	93
65) Chlorobenzene	11.610	112	83286	19.039	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	29579	19.299	ug/l	97
67) Ethyl Benzene	11.687	91	144340	18.940	ug/l	97
68) m/p-Xylenes	11.793	106	116034	38.187	ug/l	99
69) o-Xylene	12.122	106	53040	18.973	ug/l	97
70) Styrene	12.134	104	93917	19.598	ug/l	99
71) Bromoform	12.298	173	16228	20.458	ug/l #	97
73) Isopropylbenzene	12.422	105	140185	18.664	ug/l	99
74) N-amyl acetate	12.234	43	23362	18.905	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	25541	19.225	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	20300m	23.018	ug/l	
77) Bromobenzene	12.704	156	32533	18.509	ug/l	93
78) n-propylbenzene	12.763	91	176461	19.113	ug/l	98
79) 2-Chlorotoluene	12.851	91	94946	19.086	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	119470	19.090	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	6810	18.355	ug/l	98
82) 4-Chlorotoluene	12.945	91	98533	19.020	ug/l	97
83) tert-Butylbenzene	13.169	119	100594	18.525	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	117472	18.979	ug/l	98
85) sec-Butylbenzene	13.345	105	155938	18.879	ug/l	100
86) p-Isopropyltoluene	13.463	119	129476	18.851	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	69188	18.923	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	68240	18.805	ug/l	98
89) n-Butylbenzene	13.787	91	119348	18.716	ug/l	98
90) Hexachloroethane	14.051	117	23403	19.025	ug/l	92
91) 1,2-Dichlorobenzene	13.834	146	58918	18.950	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3398	18.551	ug/l	87
93) 1,2,4-Trichlorobenzene	15.098	180	34099	18.017	ug/l	99
94) Hexachlorobutadiene	15.204	225	18595	19.048	ug/l	97
95) Naphthalene	15.334	128	64827	18.455	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	30458	18.610	ug/l	97

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

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