

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102522\
 Data File : VD074624.D
 Acq On : 25 Oct 2022 09:52
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 27 01:20:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa
 Patel

10/31/2022
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	100815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	167088	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	149700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	74953	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	35032	45.514	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.020%
35) Dibromofluoromethane	7.805	113	44359	47.871	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.740%
50) Toluene-d8	10.269	98	160085	47.868	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.740%
62) 4-Bromofluorobenzene	12.569	95	51237	53.387	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.780%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	32583	41.637	ug/l	90
3) Chloromethane	2.146	50	48858	46.122	ug/l	94
4) Vinyl Chloride	2.281	62	56445	48.184	ug/l	97
5) Bromomethane	2.687	94	38241	43.107	ug/l	100
6) Chloroethane	2.834	64	40414	50.178	ug/l	97
7) Trichlorofluoromethane	3.175	101	81790	49.256	ug/l	100
8) Diethyl Ether	3.593	74	24122	50.162	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.964	101	52686	49.202	ug/l	98
10) Methyl Iodide	4.164	142	58385	42.518	ug/l	98
11) Tert butyl alcohol	5.040	59	19204	271.444	ug/l	98
12) 1,1-Dichloroethene	3.934	96	50984	47.602	ug/l	92
13) Acrolein	3.793	56	15922	193.143	ug/l	97
14) Allyl chloride	4.558	41	54169	46.833	ug/l	97
15) Acrylonitrile	5.252	53	50953	259.258	ug/l	99
16) Acetone	4.022	43	46840	278.679	ug/l	93
17) Carbon Disulfide	4.269	76	116346	39.698	ug/l	99
18) Methyl Acetate	4.558	43	21762	47.907	ug/l	97
19) Methyl tert-butyl Ether	5.316	73	111418	53.236	ug/l	99
20) Methylene Chloride	4.799	84	60362	45.918	ug/l	92
21) trans-1,2-Dichloroethene	5.311	96	55403	46.403	ug/l	87
22) Diisopropyl ether	6.216	45	126775	54.317	ug/l	96
23) Vinyl Acetate	6.152	43	267271m	261.867	ug/l	
24) 1,1-Dichloroethane	6.111	63	88687	48.959	ug/l	99
25) 2-Butanone	7.075	43	58072	258.377	ug/l	99
26) 2,2-Dichloropropane	7.069	77	85353	49.298	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	65207	49.240	ug/l	99
28) Bromochloromethane	7.422	49	28453	57.833	ug/l	97
29) Tetrahydrofuran	7.440	42	32662	266.441	ug/l	98
30) Chloroform	7.599	83	98941	50.760	ug/l	96
31) Cyclohexane	7.875	56	70048	45.305	ug/l	99
32) 1,1,1-Trichloroethane	7.793	97	89611	50.133	ug/l	98
36) 1,1-Dichloropropene	8.005	75	70783	47.156	ug/l	99
37) Ethyl Acetate	7.169	43	24765	52.292	ug/l	99
38) Carbon Tetrachloride	7.993	117	73572	50.055	ug/l	95
39) Methylcyclohexane	9.275	83	85391	47.612	ug/l	99
40) Benzene	8.252	78	215186	48.304	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	13842	54.248	ug/l	96
42) 1,2-Dichloroethane	8.328	62	52225	50.802	ug/l	100
43) Isopropyl Acetate	8.357	43	46596	52.942	ug/l	98
44) Trichloroethene	9.028	130	62409	47.821	ug/l	94
45) 1,2-Dichloropropane	9.304	63	50157	51.304	ug/l	96
46) Dibromomethane	9.393	93	28784	51.023	ug/l	97
47) Bromodichloromethane	9.581	83	74253	53.198	ug/l	94
48) Methyl methacrylate	9.381	41	20095	49.959	ug/l	96
49) 1,4-Dioxane	9.381	88	6139	1105.671	ug/l	91
51) 4-Methyl-2-Pentanone	10.157	43	121392	277.292	ug/l	98
52) Toluene	10.334	92	146753	53.417	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	66479	54.171	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	79754	51.542	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	42311	54.588	ug/l	98
56) Ethyl methacrylate	10.593	69	46958	55.423	ug/l	94
57) 1,3-Dichloropropane	10.881	76	65692	52.244	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	52914	237.545	ug/l	100
59) 2-Hexanone	10.922	43	84271	282.029	ug/l	96
60) Dibromochloromethane	11.075	129	51653	55.288	ug/l	100
61) 1,2-Dibromoethane	11.175	107	37837	53.477	ug/l	97
64) Tetrachloroethene	10.810	164	52291	47.257	ug/l	94
65) Chlorobenzene	11.604	112	159689	50.642	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	57465	53.044	ug/l	97
67) Ethyl Benzene	11.681	91	279166	50.842	ug/l	99
68) m/p-Xylenes	11.793	106	225285	103.190	ug/l	97
69) o-Xylene	12.122	106	104957	51.656	ug/l	98
70) Styrene	12.134	104	183855	53.730	ug/l	99
71) Bromoform	12.298	173	30898	54.323	ug/l #	98
73) Isopropylbenzene	12.416	105	283731	48.538	ug/l	99
74) N-amyl acetate	12.234	43	43326	50.145	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.669	83	45853	49.550	ug/l	95
76) 1,2,3-Trichloropropane	12.722	75	28557m	43.634	ug/l	
77) Bromobenzene	12.698	156	64975	49.250	ug/l	99
78) n-propylbenzene	12.763	91	338776	49.039	ug/l	99
79) 2-Chlorotoluene	12.845	91	180147	48.135	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	235384	49.605	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	12257	47.860	ug/l	94
82) 4-Chlorotoluene	12.945	91	185612	48.273	ug/l	99
83) tert-Butylbenzene	13.163	119	207198	48.948	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	231649	49.609	ug/l	98
85) sec-Butylbenzene	13.345	105	316204	49.778	ug/l	98
86) p-Isopropyltoluene	13.457	119	263250	49.468	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	136787	49.893	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	131185	48.879	ug/l	99
89) n-Butylbenzene	13.787	91	243906	50.307	ug/l	98
90) Hexachloroethane	14.051	117	46635	50.347	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	117113	51.209	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	6555	51.220	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	75752	50.213	ug/l	98
94) Hexachlorobutadiene	15.198	225	42536	51.251	ug/l	96
95) Naphthalene	15.328	128	142570	50.202	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	66840	51.685	ug/l	100

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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

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