

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110422\
 Data File : VD074749.D
 Acq On : 04 Nov 2022 20:24
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/07/2022
 Supervised By :Mahesh Dadoda 11/07/2022

Quant Time: Nov 07 00:30:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 03 02:30:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	141672	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	212446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	186383	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	89348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	54287	48.381	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.760%		
35) Dibromofluoromethane	7.805	113	67575	53.772	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	107.540%		
50) Toluene-d8	10.269	98	221591	48.339	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.680%		
62) 4-Bromofluorobenzene	12.569	95	66502	50.244	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.480%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	50056	43.020	ug/l	93
3) Chloromethane	2.146	50	81315	43.793	ug/l	94
4) Vinyl Chloride	2.275	62	94111	46.218	ug/l	99
5) Bromomethane	2.681	94	70065	45.413	ug/l	97
6) Chloroethane	2.828	64	70485	49.941	ug/l	97
7) Trichlorofluoromethane	3.170	101	111838	47.276	ug/l	98
8) Diethyl Ether	3.587	74	33364	48.278	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.964	101	73729	49.064	ug/l	98
10) Methyl Iodide	4.158	142	81298	42.632	ug/l	98
11) Tert butyl alcohol	5.046	59	17744	106.424	ug/l	98
12) 1,1-Dichloroethene	3.934	96	73527	48.175	ug/l	90
13) Acrolein	3.787	56	17699	229.185	ug/l	99
14) Allyl chloride	4.558	41	77668	48.096	ug/l	99
15) Acrylonitrile	5.258	53	63283	231.734	ug/l	99
16) Acetone	4.022	43	43161	184.326	ug/l	92
17) Carbon Disulfide	4.269	76	215349	46.791	ug/l	98
18) Methyl Acetate	4.564	43	29447	41.587	ug/l	99
19) Methyl tert-butyl Ether	5.322	73	144270	49.703	ug/l	97
20) Methylene Chloride	4.799	84	103997	52.741	ug/l	90
21) trans-1,2-Dichloroethene	5.305	96	83382	49.707	ug/l	90
22) Diisopropyl ether	6.216	45	170682	51.210	ug/l #	93
23) Vinyl Acetate	6.152	43	346914m	244.809	ug/l	
24) 1,1-Dichloroethane	6.111	63	125187	49.107	ug/l	99
25) 2-Butanone	7.081	43	68660	213.260	ug/l	96
26) 2,2-Dichloropropane	7.075	77	109620	46.732	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	92584	50.035	ug/l	98
28) Bromochloromethane	7.428	49	41176	51.182	ug/l	99
29) Tetrahydrofuran	7.446	42	44728	242.241	ug/l	95
30) Chloroform	7.593	83	138396	50.817	ug/l	98
31) Cyclohexane	7.875	56	105086	46.257	ug/l	96
32) 1,1,1-Trichloroethane	7.787	97	121158	50.359	ug/l	97
36) 1,1-Dichloropropene	8.005	75	104465	54.764	ug/l	99
37) Ethyl Acetate	7.163	43	32022	50.323	ug/l	98
38) Carbon Tetrachloride	7.987	117	98667	54.596	ug/l	96
39) Methylcyclohexane	9.275	83	113784	49.028	ug/l	98
40) Benzene	8.252	78	310386	55.051	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	17408	46.731	ug/l #	92
42) 1,2-Dichloroethane	8.322	62	73337	56.579	ug/l	100
43) Isopropyl Acetate	8.357	43	62144	52.486	ug/l	96
44) Trichloroethene	9.028	130	78412	48.814	ug/l	97
45) 1,2-Dichloropropane	9.304	63	64248	51.523	ug/l	99
46) Dibromomethane	9.393	93	36504	50.516	ug/l	93
47) Bromodichloromethane	9.587	83	88441	50.836	ug/l	95
48) Methyl methacrylate	9.381	41	26361	49.961	ug/l	93
49) 1,4-Dioxane	9.381	88	7433	1019.973	ug/l	94
51) 4-Methyl-2-Pentanone	10.157	43	143728	250.320	ug/l	97
52) Toluene	10.334	92	180306	52.231	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	79671	51.779	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	99142	51.348	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	50459	51.399	ug/l	98
56) Ethyl methacrylate	10.599	69	56820	51.768	ug/l	95
57) 1,3-Dichloropropane	10.881	76	81255	51.377	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	72792	261.431	ug/l	99
59) 2-Hexanone	10.922	43	94746	239.881	ug/l	99
60) Dibromochloromethane	11.075	129	61879	52.799	ug/l	97
61) 1,2-Dibromoethane	11.181	107	47914	51.791	ug/l	99
64) Tetrachloroethene	10.810	164	66318	50.368	ug/l	97
65) Chlorobenzene	11.604	112	189715	51.398	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	65716	52.476	ug/l	97
67) Ethyl Benzene	11.687	91	345379	52.803	ug/l	97
68) m/p-Xylenes	11.793	106	273471	105.310	ug/l	98
69) o-Xylene	12.122	106	125716	52.659	ug/l	97
70) Styrene	12.134	104	220808	54.593	ug/l	99
71) Bromoform	12.298	173	35318	52.662	ug/l #	97
73) Isopropylbenzene	12.422	105	332319	50.909	ug/l	100
74) N-amyl acetate	12.234	43	51638	48.702	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.669	83	53821	49.067	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	34670m	50.056	ug/l	
77) Bromobenzene	12.698	156	77451	51.529	ug/l	97
78) n-propylbenzene	12.763	91	404455	51.720	ug/l	100
79) 2-Chlorotoluene	12.851	91	215631	51.209	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	278009	52.200	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	14036	48.104	ug/l	99
82) 4-Chlorotoluene	12.945	91	223663	51.068	ug/l	99
83) tert-Butylbenzene	13.163	119	241457	51.446	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	272277	51.812	ug/l	98
85) sec-Butylbenzene	13.345	105	363840	51.384	ug/l	99
86) p-Isopropyltoluene	13.457	119	305522	51.232	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	157851	50.649	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	153155	49.989	ug/l	99
89) n-Butylbenzene	13.787	91	278574	51.077	ug/l	99
90) Hexachloroethane	14.051	117	52280	51.134	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	135799	51.157	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	7126	46.997	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	81520	49.737	ug/l	99
94) Hexachlorobutadiene	15.204	225	42838	49.962	ug/l	99
95) Naphthalene	15.328	128	154561	49.096	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	72645	50.370	ug/l	99

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

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