

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110322\
 Data File : VD074708.D
 Acq On : 03 Nov 2022 11:02
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

11/04/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: Nov 04 00:00:16 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	166364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	276150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	243303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	108887	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	62310	47.289	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.580%
35) Dibromofluoromethane	7.804	113	76252	46.679	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.360%
50) Toluene-d8	10.269	98	293768	49.301	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.600%
62) 4-Bromofluorobenzene	12.569	95	87400	50.800	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.600%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	61220	44.806	ug/l	96
3) Chloromethane	2.146	50	90219	41.377	ug/l	96
4) Vinyl Chloride	2.281	62	112815	47.181	ug/l	96
5) Bromomethane	2.693	94	92863	51.257	ug/l	95
6) Chloroethane	2.834	64	77295	46.638	ug/l	99
7) Trichlorofluoromethane	3.175	101	139270	50.135	ug/l	98
8) Diethyl Ether	3.587	74	39106	48.188	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.963	101	88332	50.057	ug/l	98
10) Methyl Iodide	4.163	142	111996	49.051	ug/l	99
11) Tert butyl alcohol	5.040	59	27541	184.630	ug/l #	84
12) 1,1-Dichloroethene	3.940	96	90834	50.681	ug/l	92
13) Acrolein	3.793	56	19123	210.872	ug/l	94
14) Allyl chloride	4.557	41	101347	53.444	ug/l	98
15) Acrylonitrile	5.252	53	78690	245.385	ug/l	98
16) Acetone	4.016	43	74738	271.807	ug/l	99
17) Carbon Disulfide	4.269	76	269134	49.798	ug/l	100
18) Methyl Acetate	4.557	43	35663	42.890	ug/l	100
19) Methyl tert-butyl Ether	5.316	73	171419	50.291	ug/l	100
20) Methylene Chloride	4.793	84	113571	48.045	ug/l	92
21) trans-1,2-Dichloroethene	5.304	96	99881	50.705	ug/l	94
22) Diisopropyl ether	6.216	45	203796	52.070	ug/l	99
23) Vinyl Acetate	6.151	43	504191	302.988	ug/l	98
24) 1,1-Dichloroethane	6.110	63	148172	49.496	ug/l	96
25) 2-Butanone	7.075	43	93020	246.040	ug/l	99
26) 2,2-Dichloropropane	7.075	77	135470	49.180	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	106208	48.879	ug/l	99
28) Bromochloromethane	7.422	49	47872	50.674	ug/l	98
29) Tetrahydrofuran	7.440	42	53160	245.176	ug/l	96
30) Chloroform	7.593	83	156895	49.059	ug/l	99
31) Cyclohexane	7.875	56	133338	49.982	ug/l	98
32) 1,1,1-Trichloroethane	7.787	97	141539	50.099	ug/l	97
36) 1,1-Dichloropropene	8.004	75	127007	51.222	ug/l	99
37) Ethyl Acetate	7.163	43	39392	47.625	ug/l	98
38) Carbon Tetrachloride	7.987	117	120553	51.318	ug/l	94
39) Methylcyclohexane	9.275	83	157240	52.123	ug/l	95
40) Benzene	8.251	78	362421	49.452	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	22778	47.014	ug/l	92
42) 1,2-Dichloroethane	8.322	62	82394	48.903	ug/l	99
43) Isopropyl Acetate	8.357	43	74423	48.356	ug/l	99
44) Trichloroethene	9.028	130	105521	50.536	ug/l	100
45) 1,2-Dichloropropane	9.304	63	82200	50.713	ug/l	96
46) Dibromomethane	9.392	93	47153	50.200	ug/l	96
47) Bromodichloromethane	9.581	83	115338	51.003	ug/l	99
48) Methyl methacrylate	9.381	41	34373	50.118	ug/l	95
49) 1,4-Dioxane	9.387	88	9415	993.913	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	189120	253.393	ug/l	97
52) Toluene	10.334	92	237253	52.873	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	106058	53.027	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	133251	53.093	ug/l	100
55) 1,1,2-Trichloroethane	10.734	97	65014	50.948	ug/l	97
56) Ethyl methacrylate	10.598	69	73675	51.640	ug/l	94
57) 1,3-Dichloropropane	10.881	76	104902	51.027	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	123721	323.667	ug/l	98
59) 2-Hexanone	10.922	43	134681	262.328	ug/l	100
60) Dibromochloromethane	11.075	129	78313	51.407	ug/l	99
61) 1,2-Dibromoethane	11.181	107	62041	51.591	ug/l	99
64) Tetrachloroethene	10.810	164	86275	50.196	ug/l	96
65) Chlorobenzene	11.604	112	246671	51.194	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	85137	52.079	ug/l	98
67) Ethyl Benzene	11.681	91	449743	52.672	ug/l	97
68) m/p-Xylenes	11.792	106	355065	104.743	ug/l	97
69) o-Xylene	12.122	106	163984	52.619	ug/l	95
70) Styrene	12.133	104	275611	52.201	ug/l	98
71) Bromoform	12.298	173	44698	51.056	ug/l #	97
73) Isopropylbenzene	12.422	105	430486	54.113	ug/l	100
74) N-amyl acetate	12.233	43	66851	51.736	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	67585	50.559	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	43029m	50.976	ug/l	
77) Bromobenzene	12.698	156	95830	52.316	ug/l	96
78) n-propylbenzene	12.763	91	516646	54.212	ug/l	100
79) 2-Chlorotoluene	12.845	91	272864	53.173	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	352814	54.359	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	20440	57.481	ug/l	95
82) 4-Chlorotoluene	12.945	91	281019	52.650	ug/l	100
83) tert-Butylbenzene	13.163	119	310095	54.215	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	346787	54.150	ug/l	99
85) sec-Butylbenzene	13.345	105	463996	53.770	ug/l	99
86) p-Isopropyltoluene	13.457	119	387986	53.386	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	194068	51.096	ug/l	98
88) 1,4-Dichlorobenzene	13.533	146	189643	50.791	ug/l	99
89) n-Butylbenzene	13.786	91	357221	53.744	ug/l	99
90) Hexachloroethane	14.051	117	67594	54.249	ug/l	96
91) 1,2-Dichlorobenzene	13.828	146	165335	51.107	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	9278	50.210	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	105545	52.840	ug/l	98
94) Hexachlorobutadiene	15.204	225	55727	53.331	ug/l	99
95) Naphthalene	15.327	128	203774	53.113	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	92058	52.377	ug/l	99

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

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