

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080922\
 Data File : VD073990.D
 Acq On : 09 Aug 2022 11:48
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/10/2022
 Supervised By :Mahesh Dadoda 08/11/2022

Quant Time: Aug 10 00:20:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 00:16:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	156758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	254092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	241246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	126853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	55939	40.083	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.160%		
35) Dibromofluoromethane	7.909	113	69448	44.529	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.060%		
50) Toluene-d8	10.332	98	182990	39.958	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	79.920%		
62) 4-Bromofluorobenzene	12.620	95	94121	47.504	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	64287	44.486	ug/l	100
3) Chloromethane	2.209	50	86736	43.968	ug/l	100
4) Vinyl Chloride	2.344	62	122740	46.354	ug/l	100
5) Bromomethane	2.768	94	67354	40.818	ug/l	100
6) Chloroethane	2.915	64	86924	46.206	ug/l	100
7) Trichlorofluoromethane	3.262	101	130957	39.807	ug/l	100
8) Diethyl Ether	3.703	74	31306	47.321	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.085	101	76378	47.506	ug/l	100
10) Methyl Iodide	4.291	142	68715	48.988	ug/l	100
11) Tert butyl alcohol	5.215	59	27623	173.685	ug/l	100
12) 1,1-Dichloroethene	4.062	96	63891	47.995	ug/l	100
13) Acrolein	3.926	56	22594	247.032	ug/l	100
14) Allyl chloride	4.709	41	86220	47.655	ug/l	100
15) Acrylonitrile	5.409	53	76858	249.441	ug/l	100
16) Acetone	4.168	43	62631	213.189	ug/l	100
17) Carbon Disulfide	4.403	76	146625	42.281	ug/l	100
18) Methyl Acetate	4.715	43	37273	45.370	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	177050	50.997	ug/l	100
20) Methylene Chloride	4.956	84	86288	36.727	ug/l	100
21) trans-1,2-Dichloroethene	5.462	96	73541	47.096	ug/l	100
22) Diisopropyl ether	6.362	45	207648	50.866	ug/l	100
23) Vinyl Acetate	6.297	43	586919	55.647	ug/l	100
24) 1,1-Dichloroethane	6.256	63	136321	48.674	ug/l	100
25) 2-Butanone	7.209	43	100373	225.913	ug/l	100
26) 2,2-Dichloropropane	7.197	77	137089	47.544	ug/l	100
27) cis-1,2-Dichloroethene	7.203	96	89480	48.680	ug/l	100
28) Bromochloromethane	7.538	49	42436	47.623	ug/l	100
29) Tetrahydrofuran	7.556	42	63528	259.577	ug/l	100
30) Chloroform	7.703	83	159823	49.183	ug/l	100
31) Cyclohexane	7.973	56	99037	43.934	ug/l	100
32) 1,1,1-Trichloroethane	7.891	97	150998	49.200	ug/l	100
36) 1,1-Dichloropropene	8.109	75	106237	48.807	ug/l	100
37) Ethyl Acetate	7.291	43	45749	47.137	ug/l	100
38) Carbon Tetrachloride	8.091	117	128846	50.463	ug/l	100
39) Methylcyclohexane	9.350	83	115906	50.254	ug/l	100
40) Benzene	8.344	78	303853	49.434	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	25202	51.851	ug/l	100
42) 1,2-Dichloroethane	8.414	62	97172	48.971	ug/l	100
43) Isopropyl Acetate	8.444	43	93521	51.449	ug/l	100
44) Trichloroethene	9.103	130	87856	48.802	ug/l	100
45) 1,2-Dichloropropane	9.379	63	75449	49.964	ug/l	100
46) Dibromomethane	9.467	93	49063	48.954	ug/l	100
47) Bromodichloromethane	9.650	83	124744	49.634	ug/l	100
48) Methyl methacrylate	9.450	41	39077	48.186	ug/l	100
49) 1,4-Dioxane	9.456	88	11017	967.089	ug/l	100
51) 4-Methyl-2-Pentanone	10.220	43	244616	260.928	ug/l	100
52) Toluene	10.391	92	205190	50.686	ug/l	100
53) t-1,3-Dichloropropene	10.608	75	111231	50.576	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	127184	50.949	ug/l	100
55) 1,1,2-Trichloroethane	10.791	97	65981	50.051	ug/l	100
56) Ethyl methacrylate	10.650	69	77118	53.664	ug/l	100
57) 1,3-Dichloropropane	10.932	76	106319	50.765	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	140754	279.630	ug/l	100
59) 2-Hexanone	10.973	43	164673	259.586	ug/l	100
60) Dibromochloromethane	11.126	129	90562	51.481	ug/l	100
61) 1,2-Dibromoethane	11.232	107	64560	50.035	ug/l	100
64) Tetrachloroethene	10.867	164	73466	48.013	ug/l	100
65) Chlorobenzene	11.661	112	229871	49.553	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	93845	51.593	ug/l	100
67) Ethyl Benzene	11.732	91	410000	51.269	ug/l	100
68) m/p-Xylenes	11.838	106	332487	103.483	ug/l	100
69) o-Xylene	12.167	106	154247	52.145	ug/l	100
70) Styrene	12.179	104	273408	52.803	ug/l	100
71) Bromoform	12.344	173	56193	51.712	ug/l #	100
73) Isopropylbenzene	12.467	105	418975	51.098	ug/l	100
74) N-amyl acetate	12.273	43	90573	51.058	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	77947	48.523	ug/l	100
76) 1,2,3-Trichloropropane	12.767	75	49130m	29.831	ug/l	
77) Bromobenzene	12.744	156	95670	47.437	ug/l	100
78) n-propylbenzene	12.808	91	514892	51.125	ug/l	100
79) 2-Chlorotoluene	12.891	91	288785	50.315	ug/l	100
80) 1,3,5-Trimethylbenzene	12.944	105	366213	52.271	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	23787	52.932	ug/l	100
82) 4-Chlorotoluene	12.991	91	307029	50.355	ug/l	100
83) tert-Butylbenzene	13.208	119	319778	52.774	ug/l	100
84) 1,2,4-Trimethylbenzene	13.249	105	367222	52.098	ug/l	100
85) sec-Butylbenzene	13.385	105	476925	51.709	ug/l	100
86) p-Isopropyltoluene	13.496	119	414120	53.207	ug/l	100
87) 1,3-Dichlorobenzene	13.496	146	212215	50.285	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	211213	49.459	ug/l	100
89) n-Butylbenzene	13.826	91	380093	51.982	ug/l	100
90) Hexachloroethane	14.091	117	78571	49.929	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	183460	50.171	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.485	75	14126	49.566	ug/l	100
93) 1,2,4-Trichlorobenzene	15.138	180	108499	49.119	ug/l	100
94) Hexachlorobutadiene	15.243	225	61372	49.474	ug/l	100
95) Naphthalene	15.379	128	215552	51.803	ug/l	100
96) 1,2,3-Trichlorobenzene	15.567	180	97817	49.079	ug/l	100

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

