

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071122\
 Data File : VD073827.D
 Acq On : 11 Jul 2022 17:11
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Jul 12 06:40:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 12 06:36:41 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/12/2022
 Supervised By : Mahesh Dadoda 07/12/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	116250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	221808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	212726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	99684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	202838	139.430	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 278.860%#			
35) Dibromofluoromethane	7.903	113	206310	147.716	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 295.440%#			
50) Toluene-d8	10.332	98	675502	143.899	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 287.800%#			
62) 4-Bromofluorobenzene	12.620	95	338749	171.216	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 342.440%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	77733	99.633	ug/l	98
3) Chloromethane	2.209	50	94711	93.947	ug/l	99
4) Vinyl Chloride	2.344	62	124997	101.398	ug/l	98
5) Bromomethane	2.726	94	92865	96.100	ug/l	94
6) Chloroethane	2.891	64	103915	110.586	ug/l	94
7) Trichlorofluoromethane	3.250	101	204340	107.256	ug/l	98
8) Diethyl Ether	3.703	74	69443	120.114	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.079	101	131443	110.964	ug/l	99
10) Methyl Iodide	4.285	142	97883	127.604	ug/l	99
11) Tert butyl alcohol	5.232	59	99619	206.754	ug/l #	100
12) 1,1-Dichloroethene	4.050	96	98069	105.698	ug/l	92
13) Acrolein	3.909	56	36785	522.451	ug/l	96
14) Allyl chloride	4.697	41	204183	116.364	ug/l	99
15) Acrylonitrile	5.414	53	215709	652.165	ug/l	99
16) Acetone	4.156	43	169070	549.288	ug/l	95
17) Carbon Disulfide	4.397	76	129830	86.540	ug/l	95
18) Methyl Acetate	4.714	43	93852	95.103	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	435128	125.866	ug/l	99
20) Methylene Chloride	4.950	84	155099	58.850	ug/l	98
21) trans-1,2-Dichloroethene	5.461	96	116148	104.553	ug/l #	82
22) Diisopropyl ether	6.361	45	595960	130.378	ug/l	99
23) Vinyl Acetate	6.297	43	1664615	689.719	ug/l	99
24) 1,1-Dichloroethane	6.256	63	304784	119.778	ug/l	99
25) 2-Butanone	7.203	43	280297	609.894	ug/l	99
26) 2,2-Dichloropropane	7.197	77	287706	119.586	ug/l	99
27) cis-1,2-Dichloroethene	7.203	96	182680	117.676	ug/l	95
28) Bromochloromethane	7.538	49	123940	124.868	ug/l	94
29) Tetrahydrofuran	7.555	42	173730	643.767	ug/l	99
30) Chloroform	7.703	83	353535	124.629	ug/l	99
31) Cyclohexane	7.973	56	168822	93.182	ug/l	98
32) 1,1,1-Trichloroethane	7.897	97	291540	121.328	ug/l	100
36) 1,1-Dichloropropene	8.103	75	191431	111.916	ug/l	98
37) Ethyl Acetate	7.285	43	123436	122.742	ug/l	98
38) Carbon Tetrachloride	8.091	117	229784	118.180	ug/l #	81
39) Methylcyclohexane	9.350	83	192136	109.268	ug/l	95
40) Benzene	8.344	78	601497	119.529	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	78409	133.779	ug/l #	84
42) 1,2-Dichloroethane	8.414	62	212421	122.597	ug/l	97
43) Isopropyl Acetate	8.444	43	262554	128.977	ug/l	99
44) Trichloroethene	9.102	130	154602	115.502	ug/l	97
45) 1,2-Dichloropropane	9.379	63	181113	125.351	ug/l	93
46) Dibromomethane	9.467	93	100556	121.541	ug/l	94
47) Bromodichloromethane	9.649	83	291274	129.245	ug/l	98
48) Methyl methacrylate	9.450	41	119709	128.899	ug/l	98
49) 1,4-Dioxane	9.455	88	27056	2635.951	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	709009	667.256	ug/l	99
52) Toluene	10.397	92	418503	125.374	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	265831	128.231	ug/l	97
54) cis-1,3-Dichloropropene	10.079	75	290216	126.235	ug/l	99
55) 1,1,2-Trichloroethane	10.791	97	154471	133.415	ug/l	97
56) Ethyl methacrylate	10.649	69	201623	136.425	ug/l	97
57) 1,3-Dichloropropane	10.938	76	260995	130.571	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	373155	641.972	ug/l	99
59) 2-Hexanone	10.973	43	482977	676.948	ug/l	97
60) Dibromochloromethane	11.132	129	194873	135.816	ug/l	99
61) 1,2-Dibromoethane	11.238	107	139524	130.373	ug/l	98
64) Tetrachloroethene	10.867	164	112715	106.906	ug/l	96
65) Chlorobenzene	11.661	112	492956	123.441	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.732	131	203840	132.085	ug/l	99
67) Ethyl Benzene	11.732	91	917440	126.061	ug/l	98
68) m/p-Xylenes	11.844	106	696033	253.558	ug/l	98
69) o-Xylene	12.167	106	347079	131.225	ug/l	97
70) Styrene	12.185	104	617437	133.353	ug/l	98
71) Bromoform	12.349	173	109643	139.514	ug/l #	97
73) Isopropylbenzene	12.467	105	962290	126.949	ug/l	99
74) N-amyl acetate	12.279	43	269511	126.707	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	197887	126.256	ug/l	100
76) 1,2,3-Trichloropropane	12.767	75	140643m	125.524	ug/l	
77) Bromobenzene	12.749	156	196956	124.379	ug/l	99
78) n-propylbenzene	12.808	91	1182042	123.656	ug/l	98
79) 2-Chlorotoluene	12.896	91	678848	125.691	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	812009	127.749	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	60763	127.489	ug/l	97
82) 4-Chlorotoluene	12.991	91	717136	126.395	ug/l	100
83) tert-Butylbenzene	13.208	119	707853	126.068	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	818821	130.056	ug/l	100
85) sec-Butylbenzene	13.385	105	1100099	127.229	ug/l	99
86) p-Isopropyltoluene	13.502	119	905267	131.080	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	434356	130.729	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	426087	127.074	ug/l	97
89) n-Butylbenzene	13.826	91	876339	125.480	ug/l	98
90) Hexachloroethane	14.096	117	172370	125.086	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	383423	130.670	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.485	75	32285	124.754	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	208364	123.504	ug/l	99
94) Hexachlorobutadiene	15.249	225	95744	117.587	ug/l	100
95) Naphthalene	15.379	128	485731	129.099	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	185316	125.000	ug/l	99

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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

