

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032122\
 Data File : VD072352.D
 Acq On : 21 Mar 2022 20:52
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/22/2022
 Supervised By : Mahesh Dadoda 03/22/2022

Quant Time: Mar 22 02:14:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	289969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	487156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	464637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	244388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	194017	60.039	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.080%			
35) Dibromofluoromethane	7.914	113	178572	52.090	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.180%			
50) Toluene-d8	10.332	98	647489	51.654	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.300%			
62) 4-Bromofluorobenzene	12.620	95	250764	51.486	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	122859	45.808	ug/l	100
3) Chloromethane	2.209	50	138948	58.302	ug/l	99
4) Vinyl Chloride	2.344	62	132739	57.700	ug/l	99
5) Bromomethane	2.756	94	92353	61.650	ug/l	96
6) Chloroethane	2.915	64	94092	61.862	ug/l	98
7) Trichlorofluoromethane	3.268	101	259119	49.876	ug/l	91
8) Diethyl Ether	3.709	74	85828	59.817	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	163381	49.321	ug/l	96
10) Methyl Iodide	4.297	142	130589	44.269	ug/l	99
11) Tert butyl alcohol	5.220	59	54835	292.658	ug/l	96
12) 1,1-Dichloroethene	4.067	96	141204	52.984	ug/l	94
13) Acrolein	3.920	56	45639	272.972	ug/l	96
14) Allyl chloride	4.709	41	262728	56.385	ug/l	94
15) Acrylonitrile	5.414	53	234650	324.105	ug/l	99
16) Acetone	4.156	43	182432	260.011	ug/l	95
17) Carbon Disulfide	4.403	76	329024	52.847	ug/l	98
18) Methyl Acetate	4.709	43	109058	63.427	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	439498	60.674	ug/l	96
20) Methylene Chloride	4.956	84	209027	61.693	ug/l	90
21) trans-1,2-Dichloroethene	5.473	96	171085	58.041	ug/l	94
22) Diisopropyl ether	6.362	45	648437	61.012	ug/l	93
23) Vinyl Acetate	6.303	43	1800576	331.963	ug/l	97
24) 1,1-Dichloroethane	6.261	63	359815	57.406	ug/l	100
25) 2-Butanone	7.208	43	300738	321.474	ug/l	97
26) 2,2-Dichloropropane	7.203	77	276803	48.945	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	216607	57.558	ug/l	95
28) Bromochloromethane	7.544	49	164414	65.157	ug/l	89
29) Tetrahydrofuran	7.561	42	195698	355.760	ug/l	97
30) Chloroform	7.703	83	388022	58.109	ug/l	95
31) Cyclohexane	7.979	56	261550	51.804	ug/l	92
32) 1,1,1-Trichloroethane	7.903	97	316848	53.426	ug/l	97
36) 1,1-Dichloropropene	8.108	75	245621	51.073	ug/l	97
37) Ethyl Acetate	7.285	43	138478	65.734	ug/l	97
38) Carbon Tetrachloride	8.097	117	269042	49.214	ug/l	96
39) Methylcyclohexane	9.350	83	273249	50.491	ug/l	98
40) Benzene	8.350	78	759737	55.374	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	81973	66.759	ug/l	93
42) 1,2-Dichloroethane	8.420	62	249553	59.959	ug/l	98
43) Isopropyl Acetate	8.450	43	256524	62.736	ug/l #	95
44) Trichloroethene	9.108	130	197457	51.264	ug/l	97
45) 1,2-Dichloropropane	9.385	63	216089	57.428	ug/l	96
46) Dibromomethane	9.467	93	112724	60.901	ug/l	94
47) Bromodichloromethane	9.655	83	308281	57.132	ug/l	97
48) Methyl methacrylate	9.450	41	120144	61.536	ug/l #	82
49) 1,4-Dioxane	9.461	88	27697	1247.838	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	715434	333.133	ug/l	96
52) Toluene	10.397	92	496158	54.956	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	279308	56.655	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	319493	56.060	ug/l	94
55) 1,1,2-Trichloroethane	10.791	97	167547	59.422	ug/l	96
56) Ethyl methacrylate	10.655	69	210413	63.711	ug/l	90
57) 1,3-Dichloropropane	10.938	76	281105	59.402	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	438052	294.995	ug/l	98
59) 2-Hexanone	10.979	43	482523	325.308	ug/l	95
60) Dibromochloromethane	11.132	129	208424	56.965	ug/l	99
61) 1,2-Dibromoethane	11.238	107	151805	59.581	ug/l	97
64) Tetrachloroethene	10.873	164	163223	49.858	ug/l	99
65) Chlorobenzene	11.661	112	550767	53.468	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	214291	52.608	ug/l	99
67) Ethyl Benzene	11.738	91	966212	52.518	ug/l	98
68) m/p-Xylenes	11.844	106	751088	107.514	ug/l	99
69) o-Xylene	12.173	106	358754	53.688	ug/l	96
70) Styrene	12.185	104	632544	54.210	ug/l	99
71) Bromoform	12.349	173	125078	57.483	ug/l #	99
73) Isopropylbenzene	12.473	105	964194	49.787	ug/l	100
74) N-amyl acetate	12.279	43	254879	61.241	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	202864	58.569	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	128597m	47.702	ug/l	
77) Bromobenzene	12.749	156	226644	51.995	ug/l	95
78) n-propylbenzene	12.808	91	1190550	50.611	ug/l	99
79) 2-Chlorotoluene	12.896	91	690717	50.779	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	818248	49.180	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	60534	55.713	ug/l	91
82) 4-Chlorotoluene	12.996	91	717230	50.924	ug/l	100
83) tert-Butylbenzene	13.214	119	715389	49.044	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	816362	49.798	ug/l	99
85) sec-Butylbenzene	13.391	105	1061833	48.474	ug/l	99
86) p-Isopropyltoluene	13.502	119	882516	48.960	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	460389	50.396	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	455363	50.267	ug/l	99
89) n-Butylbenzene	13.832	91	829154	48.260	ug/l	100
90) Hexachloroethane	14.096	117	171479	48.539	ug/l	96
91) 1,2-Dichlorobenzene	13.879	146	411043	51.607	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	32270	58.378	ug/l	92
93) 1,2,4-Trichlorobenzene	15.143	180	247750	46.983	ug/l	98
94) Hexachlorobutadiene	15.249	225	134580	43.874	ug/l	97
95) Naphthalene	15.385	128	505028	55.559	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	229320	50.241	ug/l	100

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

