

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010522\
 Data File : VD071624.D
 Acq On : 05 Jan 2022 19:51
 Operator : VA/SY
 Sample : N1018-08MSD
 Misc : 5.44G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FM-E3-02-4.5MSD

Quant Time: Jan 06 07:06:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/06/2022
 Supervised By :Mahesh Dadoda 01/11/2022

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	298488	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	506336	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	479801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	241524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	190592	48.079	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.160%		
35) Dibromofluoromethane	7.914	113	172154	50.589	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.180%		
50) Toluene-d8	10.338	98	602033	46.815	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.620%		
62) 4-Bromofluorobenzene	12.626	95	222754	48.745	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	124603	39.839	ug/l	94
3) Chloromethane	2.215	50	164666	41.116	ug/l	100
4) Vinyl Chloride	2.356	62	197564	41.165	ug/l	97
5) Bromomethane	2.773	94	138773	41.333	ug/l	97
6) Chloroethane	2.926	64	141312	44.367	ug/l	92
7) Trichlorofluoromethane	3.279	101	272622	46.401	ug/l	98
8) Diethyl Ether	3.714	74	76445	45.448	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.103	101	157592	46.104	ug/l	94
10) Methyl Iodide	4.309	142	168528	50.699	ug/l	95
11) Tert butyl alcohol	5.214	59	47938	139.001	ug/l	96
12) 1,1-Dichloroethene	4.079	96	138973	44.689	ug/l	83
13) Acrolein	3.932	56	23652	123.512	ug/l	96
14) Allyl chloride	4.720	41	289016	49.136	ug/l #	78
15) Acrylonitrile	5.414	53	197051	237.888	ug/l	95
16) Acetone	4.156	43	253337	254.427	ug/l #	86
17) Carbon Disulfide	4.414	76	367749	36.294	ug/l	96
18) Methyl Acetate	4.720	43	143029	46.539	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	390674	48.666	ug/l	99
20) Methylene Chloride	4.967	84	229046	62.393	ug/l #	82
21) trans-1,2-Dichloroethene	5.473	96	160682	44.611	ug/l	85
22) Diisopropyl ether	6.367	45	636851	53.186	ug/l	92
23) Vinyl Acetate	6.308	43	1422869	230.507	ug/l	96
24) 1,1-Dichloroethane	6.267	63	350881	51.115	ug/l	98
25) 2-Butanone	7.208	43	279345	234.874	ug/l #	88
26) 2,2-Dichloropropane	7.214	77	283810	50.318	ug/l	94
27) cis-1,2-Dichloroethene	7.214	96	198482	49.820	ug/l	92
28) Bromochloromethane	7.544	49	134623	47.857	ug/l	87
29) Tetrahydrofuran	7.561	42	163662	229.189	ug/l	91
30) Chloroform	7.708	83	358263	51.724	ug/l	99
31) Cyclohexane	7.991	56	281538	41.808	ug/l	97
32) 1,1,1-Trichloroethane	7.902	97	309336	50.356	ug/l #	94
36) 1,1-Dichloropropene	8.114	75	250800	46.131	ug/l	97
37) Ethyl Acetate	7.291	43	117676	46.884	ug/l #	91
38) Carbon Tetrachloride	8.097	117	262995	49.031	ug/l	98
39) Methylcyclohexane	9.355	83	273336	42.949	ug/l	96
40) Benzene	8.349	78	702231	48.047	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	68022	45.626	ug/l #	82
42) 1,2-Dichloroethane	8.420	62	238949	50.137	ug/l	93
43) Isopropyl Acetate	8.449	43	232576	46.692	ug/l #	89
44) Trichloroethene	9.114	130	178447	46.853	ug/l	94
45) 1,2-Dichloropropane	9.385	63	193101	50.917	ug/l	99
46) Dibromomethane	9.473	93	100409	47.922	ug/l	92
47) Bromodichloromethane	9.655	83	277378	52.142	ug/l	99
48) Methyl methacrylate	9.455	41	121637	49.348	ug/l #	77
49) 1,4-Dioxane	9.455	88	19227	812.051	ug/l #	90
51) 4-Methyl-2-Pentanone	10.226	43	613635	234.160	ug/l	89
52) Toluene	10.402	92	450620	48.536	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	244416	49.203	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	284888	49.630	ug/l #	80
55) 1,1,2-Trichloroethane	10.796	97	133678	50.264	ug/l	96
56) Ethyl methacrylate	10.655	69	172086	49.171	ug/l #	71
57) 1,3-Dichloropropane	10.943	76	242617	49.803	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	379193	226.188	ug/l	99
59) 2-Hexanone	10.979	43	440238	237.663	ug/l	88
60) Dibromochloromethane	11.132	129	171689	51.354	ug/l	100
61) 1,2-Dibromoethane	11.238	107	126470	48.011	ug/l	99
64) Tetrachloroethene	10.873	164	147536	44.249	ug/l	97
65) Chlorobenzene	11.661	112	475397	48.304	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	182465	50.749	ug/l	98
67) Ethyl Benzene	11.738	91	906968	49.518	ug/l	96
68) m/p-Xylenes	11.849	106	689190	99.041	ug/l	94
69) o-Xylene	12.173	106	322185	50.652	ug/l	95
70) Styrene	12.185	104	556483	50.361	ug/l	96
71) Bromoform	12.355	173	93106	47.855	ug/l #	96
73) Isopropylbenzene	12.473	105	883824	47.465	ug/l	98
74) N-amyl acetate	12.279	43	220081	44.054	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.720	83	153504	45.598	ug/l	96
76) 1,2,3-Trichloropropane	12.773	75	128251m	44.691	ug/l	
77) Bromobenzene	12.755	156	187398	45.228	ug/l	95
78) n-propylbenzene	12.814	91	1109510	47.537	ug/l	99
79) 2-Chlorotoluene	12.902	91	617065	47.308	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	732319	47.681	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	41369	40.732	ug/l #	78
82) 4-Chlorotoluene	12.996	91	643136	47.535	ug/l	100
83) tert-Butylbenzene	13.214	119	628490	47.889	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	736351	48.442	ug/l	97
85) sec-Butylbenzene	13.390	105	954063	47.685	ug/l	99
86) p-Isopropyltoluene	13.508	119	801285	48.267	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	388719	46.584	ug/l	98
88) 1,4-Dichlorobenzene	13.584	146	386420	47.227	ug/l	99
89) n-Butylbenzene	13.832	91	777738	47.731	ug/l	98
90) Hexachloroethane	14.102	117	153448	48.793	ug/l	90
91) 1,2-Dichlorobenzene	13.879	146	334304	47.205	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	25378	43.470	ug/l	89
93) 1,2,4-Trichlorobenzene	15.143	180	197193	45.692	ug/l	98
94) Hexachlorobutadiene	15.249	225	103495	44.766	ug/l	99
95) Naphthalene	15.384	128	354604	43.168	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	164687	44.120	ug/l	97

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

