

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062121\
 Data File : VD069493.D
 Acq On : 21 Jun 2021 10:45
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 6/22/2021 6:12:04 PM

Quant Time: Jun 22 04:04:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:03:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	543832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	972799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	898601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	420023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	72124	10.889	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.780%#		
35) Dibromofluoromethane	7.914	113	67269	10.235	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.480%#		
50) Toluene-d8	10.338	98	243513	9.919	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	19.840%#		
62) 4-Bromofluorobenzene	12.626	95	76421	9.507	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	19.020%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	50732	9.805	ug/l	97
3) Chloromethane	2.209	50	74871	9.931	ug/l	97
4) Vinyl Chloride	2.350	62	82961	9.764	ug/l	100
5) Bromomethane	2.762	94	54744	9.939	ug/l	94
6) Chloroethane	2.921	64	54582	9.704	ug/l	96
7) Trichlorofluoromethane	3.268	101	102091	10.110	ug/l	100
8) Diethyl Ether	3.709	74	24782	9.315	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.103	101	61836	10.069	ug/l	99
10) Methyl Iodide	4.303	142	36662	7.605	ug/l	98
11) Tert butyl alcohol	5.191	59	28236	60.922	ug/l #	90
12) 1,1-Dichloroethene	4.062	96	51682	9.492	ug/l	87
13) Acrolein	3.915	56	16724	45.107	ug/l	92
14) Allyl chloride	4.715	41	63329	8.491	ug/l	91
15) Acrylonitrile	5.420	53	52416	46.958	ug/l	97
16) Acetone	4.162	43	56920	49.736	ug/l	100
17) Carbon Disulfide	4.403	76	163130	9.168	ug/l	100
18) Methyl Acetate	4.720	43	32573	10.354	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	94272	9.080	ug/l	96
20) Methylene Chloride	4.962	84	108296	11.709	ug/l	93
21) trans-1,2-Dichloroethene	5.467	96	59586	9.281	ug/l	86
22) Diisopropyl ether	6.362	45	134461	8.912	ug/l	90
23) Vinyl Acetate	6.309	43	332456	40.369	ug/l	97
24) 1,1-Dichloroethane	6.262	63	119431	9.993	ug/l	96
25) 2-Butanone	7.214	43	67598	47.579	ug/l	97
26) 2,2-Dichloropropane	7.209	77	94676	9.734	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	63992	9.130	ug/l	96
28) Bromochloromethane	7.544	49	44911	9.521	ug/l	97
29) Tetrahydrofuran	7.561	42	35045	44.803	ug/l	98
30) Chloroform	7.709	83	129056	10.254	ug/l	93
31) Cyclohexane	7.979	56	85623	9.435	ug/l #	84
32) 1,1,1-Trichloroethane	7.897	97	101711	9.734	ug/l	97
36) 1,1-Dichloropropene	8.114	75	86380	9.031	ug/l	96
37) Ethyl Acetate	7.291	43	31713	9.127	ug/l	99
38) Carbon Tetrachloride	8.097	117	92771	9.803	ug/l	97
39) Methylcyclohexane	9.356	83	78104	8.192	ug/l	97
40) Benzene	8.350	78	261188	9.562	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	17930	9.165	ug/l	92
42) 1,2-Dichloroethane	8.426	62	78451	9.935	ug/l	98
43) Isopropyl Acetate	8.450	43	59211	9.312	ug/l	99
44) Trichloroethene	9.108	130	63045	9.118	ug/l	86
45) 1,2-Dichloropropane	9.385	63	67317	9.603	ug/l	97
46) Dibromomethane	9.473	93	35882	9.712	ug/l	98
47) Bromodichloromethane	9.656	83	96841	9.782	ug/l	95
48) Methyl methacrylate	9.456	41	29155	9.615	ug/l	88
49) 1,4-Dioxane	9.456	88	6689	185.593	ug/l #	89
51) 4-Methyl-2-Pentanone	10.226	43	151771	45.220	ug/l	97
52) Toluene	10.397	92	151559	8.983	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	78134	9.193	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	97933	9.560	ug/l	95
55) 1,1,2-Trichloroethane	10.797	97	53302	10.371	ug/l	94
56) Ethyl methacrylate	10.655	69	45188	8.277	ug/l	93
57) 1,3-Dichloropropane	10.944	76	80393	9.324	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	119850	41.050	ug/l	100
59) 2-Hexanone	10.979	43	98101	43.504	ug/l	97
60) Dibromochloromethane	11.132	129	57967	9.536	ug/l	100
61) 1,2-Dibromoethane	11.244	107	46434	9.620	ug/l	97
64) Tetrachloroethene	10.873	164	57011	10.012	ug/l	98
65) Chlorobenzene	11.667	112	172425	9.725	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.738	131	63497	9.850	ug/l	99
67) Ethyl Benzene	11.738	91	274856	8.858	ug/l	98
68) m/p-Xylenes	11.850	106	206910	17.625	ug/l	99
69) o-Xylene	12.179	106	88345	8.431	ug/l	97
70) Styrene	12.191	104	160587	8.670	ug/l	99
71) Bromoform	12.355	173	32566	9.961	ug/l #	93
73) Isopropylbenzene	12.473	105	247928	8.634	ug/l	99
74) N-amyl acetate	12.279	43	51907	8.973	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.726	83	56077	9.747	ug/l	96
76) 1,2,3-Trichloropropane	12.773	75	39178m	10.564	ug/l	
77) Bromobenzene	12.755	156	59585	9.044	ug/l	96
78) n-propylbenzene	12.814	91	311971	8.634	ug/l	100
79) 2-Chlorotoluene	12.902	91	185160	8.978	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	209435	8.655	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.514	75	15476	9.660	ug/l	91
82) 4-Chlorotoluene	12.996	91	203784	9.176	ug/l	100
83) tert-Butylbenzene	13.214	119	163381	8.233	ug/l	94
84) 1,2,4-Trimethylbenzene	13.261	105	204098	8.488	ug/l	100
85) sec-Butylbenzene	13.391	105	267790	8.790	ug/l	100
86) p-Isopropyltoluene	13.508	119	216898	8.500	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	125800	9.395	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	131181	9.818	ug/l	98
89) n-Butylbenzene	13.832	91	215325	8.427	ug/l	98
90) Hexachloroethane	14.096	117	45538	9.129	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	111508	9.589	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	8906	10.278	ug/l	90
93) 1,2,4-Trichlorobenzene	15.149	180	54486	8.471	ug/l	95
94) Hexachlorobutadiene	15.255	225	38454	9.475	ug/l	99
95) Naphthalene	15.385	128	90608	7.880	ug/l	97
96) 1,2,3-Trichlorobenzene	15.579	180	51714	9.082	ug/l	96

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

