

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061121\
 Data File : VD069410.D
 Acq On : 11 Jun 2021 10:05
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/14/2021 10:56:13 AM

Quant Time: Jun 11 12:11:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:10:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	351191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	581462	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	552011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	267602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	22018	5.492	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.980%#		
35) Dibromofluoromethane	7.908	113	23583	5.402	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.800%#		
50) Toluene-d8	10.338	98	74135	4.789	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.580%#		
62) 4-Bromofluorobenzene	12.626	95	24830	5.087	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.180%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	21318	5.883	ug/l	99
3) Chloromethane	2.209	50	22154	6.039	ug/l	89
4) Vinyl Chloride	2.350	62	25292	5.780	ug/l	93
5) Bromomethane	2.768	94	22526	6.286	ug/l	94
6) Chloroethane	2.920	64	17016	5.642	ug/l #	79
7) Trichlorofluoromethane	3.273	101	41458	5.814	ug/l	93
8) Diethyl Ether	3.709	74	8469	5.061	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.103	101	24270	5.704	ug/l	98
10) Methyl Iodide	4.309	142	16470	4.812	ug/l #	94
11) Tert butyl alcohol	5.203	59	5302m	24.986	ug/l	
12) 1,1-Dichloroethene	4.067	96	20779	5.580	ug/l	93
13) Acrolein	3.920	56	5704	23.019	ug/l	99
14) Allyl chloride	4.709	41	22290	5.273	ug/l	97
15) Acrylonitrile	5.420	53	16859	25.895	ug/l	97
16) Acetone	4.162	43	18833	27.753	ug/l	99
17) Carbon Disulfide	4.409	76	70638	5.828	ug/l	96
18) Methyl Acetate	4.720	43	12187	6.415	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	31341	4.921	ug/l	97
20) Methylene Chloride	4.967	84	51865	7.409	ug/l	95
21) trans-1,2-Dichloroethene	5.467	96	23482	5.412	ug/l	97
22) Diisopropyl ether	6.361	45	38271	4.577	ug/l #	85
23) Vinyl Acetate	6.308	43	88155	20.396	ug/l	98
24) 1,1-Dichloroethane	6.261	63	40679	5.528	ug/l	96
25) 2-Butanone	7.214	43	19540	24.726	ug/l	95
26) 2,2-Dichloropropane	7.208	77	34203	5.289	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	24954	5.375	ug/l	94
28) Bromochloromethane	7.550	49	14133	5.321	ug/l	98
29) Tetrahydrofuran	7.561	42	10669	24.582	ug/l	90
30) Chloroform	7.708	83	47847	5.763	ug/l	93
31) Cyclohexane	7.979	56	31347	5.795	ug/l #	81
32) 1,1,1-Trichloroethane	7.908	97	40432	5.576	ug/l	98
36) 1,1-Dichloropropene	8.114	75	31651	5.281	ug/l	98
37) Ethyl Acetate	7.297	43	10297	5.233	ug/l #	93
38) Carbon Tetrachloride	8.097	117	36306	5.472	ug/l	98
39) Methylcyclohexane	9.355	83	30431	5.338	ug/l	86
40) Benzene	8.350	78	94733	5.391	ug/l	96

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	4850	5.104	ug/l #	82
42) 1,2-Dichloroethane	8.420	62	27186	5.556	ug/l	100
43) Isopropyl Acetate	8.455	43	17891	4.834	ug/l	99
44) Trichloroethene	9.108	130	27119	5.491	ug/l	92
45) 1,2-Dichloropropane	9.391	63	22922	5.302	ug/l	89
46) Dibromomethane	9.473	93	12655	5.139	ug/l	95
47) Bromodichloromethane	9.661	83	34650	5.403	ug/l #	88
48) Methyl methacrylate	9.455	41	6915	4.263	ug/l #	75
49) 1,4-Dioxane	9.461	88	2228	97.269	ug/l #	83
51) 4-Methyl-2-Pentanone	10.226	43	42686	22.812	ug/l	98
52) Toluene	10.402	92	53889	4.939	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	26162	4.959	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	32603	5.115	ug/l	95
55) 1,1,2-Trichloroethane	10.802	97	17864	5.240	ug/l	96
56) Ethyl methacrylate	10.661	69	13441	4.307	ug/l	95
57) 1,3-Dichloropropane	10.944	76	28612	5.247	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.938	63	33516	21.182	ug/l	97
59) 2-Hexanone	10.985	43	26564	21.666	ug/l	93
60) Dibromochloromethane	11.138	129	22476	5.183	ug/l	99
61) 1,2-Dibromoethane	11.244	107	16793	5.165	ug/l	93
64) Tetrachloroethene	10.873	164	25895	5.867	ug/l	91
65) Chlorobenzene	11.667	112	65416	5.383	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	25492	5.424	ug/l	98
67) Ethyl Benzene	11.743	91	95023	4.876	ug/l	99
68) m/p-Xylenes	11.849	106	74553	9.533	ug/l	99
69) o-Xylene	12.179	106	32046	4.750	ug/l	100
70) Styrene	12.191	104	52550	4.412	ug/l	96
71) Bromoform	12.349	173	12339	5.140	ug/l #	99
73) Isopropylbenzene	12.473	105	85003	4.773	ug/l	99
74) N-amyl acetate	12.285	43	14465	4.611	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.726	83	19534	5.405	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	13579m	6.606	ug/l	
77) Bromobenzene	12.755	156	23862	5.159	ug/l	96
78) n-propylbenzene	12.814	91	104789	4.745	ug/l	96
79) 2-Chlorotoluene	12.902	91	62141	4.896	ug/l	96
80) 1,3,5-Trimethylbenzene	12.955	105	68759	4.583	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.526	75	4673	4.830	ug/l #	83
82) 4-Chlorotoluene	13.002	91	66285	4.892	ug/l	98
83) tert-Butylbenzene	13.220	119	61943	4.860	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	67388	4.492	ug/l	97
85) sec-Butylbenzene	13.396	105	92316	4.859	ug/l	99
86) p-Isopropyltoluene	13.508	119	75004	4.601	ug/l	98
87) 1,3-Dichlorobenzene	13.508	146	49525	5.287	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	52395	5.538	ug/l	95
89) n-Butylbenzene	13.838	91	73965	4.858	ug/l	97
90) Hexachloroethane	14.102	117	18973	5.617	ug/l	98
91) 1,2-Dichlorobenzene	13.885	146	43111	5.232	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	3126	5.750	ug/l	91
93) 1,2,4-Trichlorobenzene	15.149	180	22556	4.904	ug/l	97
94) Hexachlorobutadiene	15.255	225	15389	5.143	ug/l	93
95) Naphthalene	15.390	128	33740	4.635	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.579	180	19199	4.830	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

