

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050321\
 Data File : VD069037.D
 Acq On : 03 May 2021 11:44
 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
 5/4/2021 5:35:15 PM

Quant Time: May 03 13:25:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050321S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 03 13:21:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	217885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	386498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	367128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	172699	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	26436	9.66	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	19.32%#
35) Dibromofluoromethane	7.909	113	24402	9.71	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	19.42%#
50) Toluene-d8	10.338	98	86310	9.54	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	19.08%#
62) 4-Bromofluorobenzene	12.632	95	28480	9.33	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	18.66%#

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	30228	11.10	ug/l	88
3) Chloromethane	2.209	50	36736	10.67	ug/l	94
4) Vinyl Chloride	2.344	62	44500	10.39	ug/l	97
5) Bromomethane	2.750	94	25191	10.53	ug/l	96
6) Chloroethane	2.909	64	28481	13.41	ug/l	91
7) Trichlorofluoromethane	3.256	101	50123	10.49	ug/l	98
8) Diethyl Ether	3.703	74	10874	9.66	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.079	101	25619	9.75	ug/l	91
10) Methyl Iodide	4.285	142	17273	8.93	ug/l #	87
11) Tert butyl alcohol	5.232	59	12382m	53.71	ug/l	
12) 1,1-Dichloroethene	4.062	96	23860	10.22	ug/l	87
13) Acrolein	3.921	56	9912	52.20	ug/l	98
14) Allyl chloride	4.703	41	29650	9.84	ug/l	92
15) Acrylonitrile	5.415	53	25109	49.67	ug/l	98
16) Acetone	4.162	43	23043	49.68	ug/l	93
17) Carbon Disulfide	4.403	76	81061	10.36	ug/l	99
18) Methyl Acetate	4.721	43	10731	9.23	ug/l #	62
19) Methyl tert-butyl Ether	5.479	73	50290	9.78	ug/l	99
20) Methylene Chloride	4.968	84	41373	10.56	ug/l	93
21) trans-1,2-Dichloroethene	5.473	96	26853	9.81	ug/l #	91
22) Diisopropyl ether	6.356	45	64561	9.75	ug/l #	85
23) Vinyl Acetate	6.303	43	169600	46.57	ug/l #	93
24) 1,1-Dichloroethane	6.256	63	49174	10.37	ug/l	98
25) 2-Butanone	7.215	43	29789	48.73	ug/l	89
26) 2,2-Dichloropropane	7.203	77	42758	9.78	ug/l	97
27) cis-1,2-Dichloroethene	7.215	96	28624	9.90	ug/l	90
28) Bromochloromethane	7.544	49	19948	10.01	ug/l	82
29) Tetrahydrofuran	7.567	42	18709	48.61	ug/l	91
30) Chloroform	7.709	83	51664	9.97	ug/l	90
31) Cyclohexane	7.979	56	42711	10.15	ug/l #	88
32) 1,1,1-Trichloroethane	7.903	97	49723	10.45	ug/l	95
36) 1,1-Dichloropropene	8.114	75	38338	9.93	ug/l	98
37) Ethyl Acetate	7.285	43	13628	9.19	ug/l	97
38) Carbon Tetrachloride	8.097	117	43035	10.34	ug/l	92
39) Methylcyclohexane	9.350	83	40993	9.63	ug/l	98
40) Benzene	8.350	78	111619	10.13	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	8420	10.35	ug/l	93
42) 1,2-Dichloroethane	8.420	62	34883	9.89	ug/l	94
43) Isopropyl Acetate	8.456	43	28317	10.00	ug/l #	56
44) Trichloroethene	9.114	130	29478	10.25	ug/l	91
45) 1,2-Dichloropropane	9.385	63	27136	9.99	ug/l	94
46) Dibromomethane	9.473	93	15763	9.89	ug/l	92
47) Bromodichloromethane	9.661	83	42789	10.13	ug/l	96
48) Methyl methacrylate	9.456	41	11355	9.01	ug/l #	87
49) 1,4-Dioxane	9.461	88	3928	215.24	ug/l #	83
51) 4-Methyl-2-Pentanone	10.226	43	66666	46.75	ug/l	89
52) Toluene	10.403	92	67159	9.81	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	36268	10.06	ug/l	93
54) cis-1,3-Dichloropropene	10.085	75	41375	10.01	ug/l #	83
55) 1,1,2-Trichloroethane	10.797	97	20009	9.57	ug/l	95
56) Ethyl methacrylate	10.661	69	20588	9.61	ug/l #	85
57) 1,3-Dichloropropane	10.944	76	35612	9.94	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	55381	47.33	ug/l	99
59) 2-Hexanone	10.985	43	45651	47.63	ug/l	89
60) Dibromochloromethane	11.138	129	26133	9.71	ug/l	98
61) 1,2-Dibromoethane	11.244	107	20020	9.98	ug/l	99
64) Tetrachloroethene	10.873	164	22741	9.89	ug/l	97
65) Chlorobenzene	11.667	112	72325	9.67	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	29013	10.15	ug/l	96
67) Ethyl Benzene	11.744	91	125164	9.65	ug/l	96
68) m/p-Xylenes	11.850	106	95715	19.69	ug/l	99
69) o-Xylene	12.179	106	41493	9.55	ug/l	93
70) Styrene	12.191	104	73952	9.66	ug/l	97
71) Bromoform	12.355	173	13759	9.59	ug/l #	96
73) Isopropylbenzene	12.479	105	116716	10.03	ug/l	98
74) N-amyl acetate	12.285	43	23227	9.48	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.726	83	23364	9.99	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	15535m	9.81	ug/l	
77) Bromobenzene	12.755	156	27540	10.13	ug/l	92
78) n-propylbenzene	12.814	91	142212	9.94	ug/l	98
79) 2-Chlorotoluene	12.902	91	81807	10.15	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	98628	9.96	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.526	75	6469	9.30	ug/l	89
82) 4-Chlorotoluene	12.997	91	86362	9.85	ug/l	99
83) tert-Butylbenzene	13.220	119	80760	9.83	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	99962	9.98	ug/l	99
85) sec-Butylbenzene	13.397	105	118804	10.02	ug/l	100
86) p-Isopropyltoluene	13.508	119	101606	9.56	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	55975	9.97	ug/l	97
88) 1,4-Dichlorobenzene	13.591	146	57737	10.30	ug/l	95
89) n-Butylbenzene	13.838	91	99269	9.72	ug/l	96
90) Hexachloroethane	14.102	117	21884	9.79	ug/l	94
91) 1,2-Dichlorobenzene	13.885	146	48546	10.10	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.496	75	4021	10.15	ug/l	73
93) 1,2,4-Trichlorobenzene	15.155	180	29190	10.14	ug/l	93
94) Hexachlorobutadiene	15.261	225	17976	10.83	ug/l	94
95) Naphthalene	15.391	128	50133	9.69	ug/l	99
96) 1,2,3-Trichlorobenzene	15.585	180	25044	10.02	ug/l	96

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

