

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051021\
 Data File : VD069122.D
 Acq On : 10 May 2021 14:48
 Operator : VA/SY
 Sample : VD0510SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/11/2021 10:36:28 AM

Quant Time: May 11 01:02:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 04:16:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	275966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	479150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	482381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	241231	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	160107	45.02	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.04%		
35) Dibromofluoromethane	7.914	113	165246	50.29	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.58%		
50) Toluene-d8	10.338	98	600264	49.48	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.96%		
62) 4-Bromofluorobenzene	12.626	95	207916	52.11	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	104.22%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	64172	19.12	ug/l	98
3) Chloromethane	2.209	50	74652	18.07	ug/l	99
4) Vinyl Chloride	2.344	62	100604	18.42	ug/l	99
5) Bromomethane	2.744	94	71611	22.04	ug/l	93
6) Chloroethane	2.915	64	66576	20.96	ug/l	98
7) Trichlorofluoromethane	3.268	101	113792	18.97	ug/l	92
8) Diethyl Ether	3.715	74	29497	20.24	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.085	101	63401	19.74	ug/l	94
10) Methyl Iodide	4.303	142	51810	19.92	ug/l	93
11) Tert butyl alcohol	5.226	59	25715	72.98	ug/l	99
12) 1,1-Dichloroethene	4.068	96	57309	19.82	ug/l	98
13) Acrolein	3.921	56	17835	83.68	ug/l	100
14) Allyl chloride	4.709	41	64529	17.32	ug/l	95
15) Acrylonitrile	5.420	53	61669	97.36	ug/l	98
16) Acetone	4.150	43	48116	79.45	ug/l	99
17) Carbon Disulfide	4.403	76	186572	19.08	ug/l	99
18) Methyl Acetate	4.721	43	24211	17.48	ug/l	92
19) Methyl tert-butyl Ether	5.473	73	134727	20.38	ug/l	97
20) Methylene Chloride	4.962	84	91549	22.54	ug/l	87
21) trans-1,2-Dichloroethene	5.468	96	73152	21.29	ug/l	87
22) Diisopropyl ether	6.362	45	157284	18.91	ug/l #	93
23) Vinyl Acetate	6.303	43	418093	87.92	ug/l	97
24) 1,1-Dichloroethane	6.262	63	116484	19.83	ug/l	97
25) 2-Butanone	7.215	43	66710	87.74	ug/l	99
26) 2,2-Dichloropropane	7.209	77	100839	18.38	ug/l	95
27) cis-1,2-Dichloroethene	7.215	96	81545	21.99	ug/l	91
28) Bromochloromethane	7.550	49	43370	18.29	ug/l	84
29) Tetrahydrofuran	7.562	42	42730	91.36	ug/l	92
30) Chloroform	7.714	83	133831	20.37	ug/l	89
31) Cyclohexane	7.985	56	88896	17.23	ug/l #	91
32) 1,1,1-Trichloroethane	7.903	97	114049	19.01	ug/l	98
36) 1,1-Dichloropropene	8.114	75	90482	17.95	ug/l	94
37) Ethyl Acetate	7.291	43	30551	16.07	ug/l #	91
38) Carbon Tetrachloride	8.097	117	102475	18.74	ug/l	94
39) Methylcyclohexane	9.350	83	103874	18.84	ug/l	97
40) Benzene	8.350	78	280826	20.13	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	20089m	18.23	ug/l	
42) 1,2-Dichloroethane	8.420	62	80760	18.52	ug/l	97
43) Isopropyl Acetate	8.450	43	61597	17.28	ug/l	94
44) Trichloroethene	9.114	130	79023	21.31	ug/l	92
45) 1,2-Dichloropropane	9.385	63	66900	19.48	ug/l	91
46) Dibromomethane	9.473	93	40298	20.41	ug/l	92
47) Bromodichloromethane	9.661	83	104940	20.22	ug/l	96
48) Methyl methacrylate	9.456	41	29523	16.80	ug/l	88
49) 1,4-Dioxane	9.461	88	9694	424.71	ug/l	93
51) 4-Methyl-2-Pentanone	10.226	43	164622	90.24	ug/l	94
52) Toluene	10.403	92	187896	21.23	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	91261	20.23	ug/l	93
54) cis-1,3-Dichloropropene	10.091	75	109459	20.52	ug/l #	90
55) 1,1,2-Trichloroethane	10.803	97	56916	21.71	ug/l	94
56) Ethyl methacrylate	10.661	69	60397	20.60	ug/l	87
57) 1,3-Dichloropropane	10.944	76	94189	21.32	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	153165	100.90	ug/l	96
59) 2-Hexanone	10.985	43	111125	90.26	ug/l	94
60) Dibromochloromethane	11.138	129	75232	21.57	ug/l	97
61) 1,2-Dibromoethane	11.244	107	56574	22.23	ug/l	99
64) Tetrachloroethene	10.873	164	64787	20.84	ug/l	95
65) Chlorobenzene	11.667	112	207294	21.06	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	77245	20.73	ug/l	96
67) Ethyl Benzene	11.744	91	350124	20.06	ug/l	100
68) m/p-Xylenes	11.850	106	266037	40.53	ug/l	96
69) o-Xylene	12.179	106	126763	21.54	ug/l	93
70) Styrene	12.191	104	219719	21.14	ug/l	97
71) Bromoform	12.355	173	40844	21.39	ug/l #	97
73) Isopropylbenzene	12.473	105	324779	19.45	ug/l	98
74) N-amyl acetate	12.285	43	58998	16.83	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.726	83	72810m	22.24	ug/l	
76) 1,2,3-Trichloropropane	12.779	75	38639m	18.40	ug/l	
77) Bromobenzene	12.755	156	83752	21.67	ug/l	96
78) n-propylbenzene	12.814	91	395049	19.26	ug/l	99
79) 2-Chlorotoluene	12.902	91	224062	19.59	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	285758	20.10	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	18540	19.21	ug/l	88
82) 4-Chlorotoluene	13.002	91	237818	19.42	ug/l	99
83) tert-Butylbenzene	13.220	119	237333	20.49	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	283881	19.99	ug/l	98
85) sec-Butylbenzene	13.397	105	325726	19.43	ug/l	97
86) p-Isopropyltoluene	13.508	119	296190	19.14	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	159085	20.51	ug/l	97
88) 1,4-Dichlorobenzene	13.591	146	158301	20.70	ug/l	99
89) n-Butylbenzene	13.838	91	291730	19.87	ug/l	99
90) Hexachloroethane	14.108	117	60807	19.11	ug/l	96
91) 1,2-Dichlorobenzene	13.885	146	140450	20.82	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.496	75	9647	17.92	ug/l	71
93) 1,2,4-Trichlorobenzene	15.155	180	88358	22.08	ug/l	99
94) Hexachlorobutadiene	15.261	225	47450	20.48	ug/l	99
95) Naphthalene	15.396	128	171783	22.56	ug/l	97
96) 1,2,3-Trichlorobenzene	15.585	180	78076	22.59	ug/l	99

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

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