

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080221\
 Data File : VD069953.D
 Acq On : 02 Aug 2021 15:28
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/3/2021 4:50:04 PM

Quant Time: Aug 03 02:56:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	558097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	994810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	966152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	454202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	338915	52.802	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.600%			
35) Dibromofluoromethane	7.909	113	346661	55.278	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.560%			
50) Toluene-d8	10.338	98	1320505	54.608	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.220%			
62) 4-Bromofluorobenzene	12.626	95	447309	55.349	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.700%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	255022	43.414	ug/l	100
3) Chloromethane	2.209	50	394636	46.312	ug/l	100
4) Vinyl Chloride	2.350	62	431376	48.131	ug/l	98
5) Bromomethane	2.768	94	274578	52.007	ug/l	100
6) Chloroethane	2.921	64	292012	50.267	ug/l	96
7) Trichlorofluoromethane	3.274	101	534198	48.281	ug/l	100
8) Diethyl Ether	3.709	74	172481	55.422	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	348786	49.636	ug/l	99
10) Methyl Iodide	4.297	142	367739	52.797	ug/l	99
11) Tert butyl alcohol	5.220	59	82815	249.347	ug/l	100
12) 1,1-Dichloroethene	4.068	96	324117	50.759	ug/l	98
13) Acrolein	3.915	56	104832	225.481	ug/l	99
14) Allyl chloride	4.709	41	518417	55.375	ug/l	97
15) Acrylonitrile	5.415	53	413557	282.483	ug/l	98
16) Acetone	4.150	43	267688	230.865	ug/l	92
17) Carbon Disulfide	4.403	76	1112547	48.729	ug/l	99
18) Methyl Acetate	4.715	43	178996	53.205	ug/l	100
19) Methyl tert-butyl Ether	5.468	73	772694	58.405	ug/l	98
20) Methylene Chloride	4.956	84	475593	57.590	ug/l	99
21) trans-1,2-Dichloroethene	5.468	96	402504	53.494	ug/l	96
22) Diisopropyl ether	6.356	45	1207791	59.370	ug/l	98
23) Vinyl Acetate	6.297	43	3014417	267.789	ug/l	97
24) 1,1-Dichloroethane	6.262	63	762161	54.242	ug/l	99
25) 2-Butanone	7.203	43	435362	276.874	ug/l	98
26) 2,2-Dichloropropane	7.203	77	554474	51.895	ug/l	100
27) cis-1,2-Dichloroethene	7.203	96	444963	55.421	ug/l	98
28) Bromochloromethane	7.538	49	285488	53.514	ug/l	97
29) Tetrahydrofuran	7.556	42	302034	296.895	ug/l	99
30) Chloroform	7.703	83	762362	53.964	ug/l	95
31) Cyclohexane	7.979	56	612186	48.813	ug/l	99
32) 1,1,1-Trichloroethane	7.897	97	611278	52.275	ug/l	99
36) 1,1-Dichloropropene	8.109	75	558386	52.013	ug/l	100
37) Ethyl Acetate	7.285	43	208624	53.380	ug/l	97
38) Carbon Tetrachloride	8.091	117	517482	52.770	ug/l	99
39) Methylcyclohexane	9.350	83	641294	52.158	ug/l	100
40) Benzene	8.350	78	1695679	54.520	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	123286	60.110	ug/l #	88
42) 1,2-Dichloroethane	8.420	62	441692	53.699	ug/l	98
43) Isopropyl Acetate	8.444	43	388769	55.464	ug/l	99
44) Trichloroethene	9.108	130	396677	51.790	ug/l	98
45) 1,2-Dichloropropane	9.385	63	447537	54.781	ug/l	99
46) Dibromomethane	9.467	93	216474	53.906	ug/l	97
47) Bromodichloromethane	9.656	83	574744	55.087	ug/l	96
48) Methyl methacrylate	9.450	41	197783	52.830	ug/l	99
49) 1,4-Dioxane	9.456	88	47513	1119.883	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	1061117	290.913	ug/l	99
52) Toluene	10.397	92	1057422	56.046	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	512259	58.493	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	625924	59.035	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	310909	54.814	ug/l	96
56) Ethyl methacrylate	10.655	69	369482	52.478	ug/l	97
57) 1,3-Dichloropropane	10.938	76	531477	55.375	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	827202	266.663	ug/l	99
59) 2-Hexanone	10.979	43	707335	293.173	ug/l	99
60) Dibromochloromethane	11.132	129	356750	55.537	ug/l	98
61) 1,2-Dibromoethane	11.238	107	285268	55.861	ug/l	99
64) Tetrachloroethene	10.873	164	318826	51.768	ug/l	98
65) Chlorobenzene	11.661	112	1062623	53.087	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	383907	53.315	ug/l	98
67) Ethyl Benzene	11.738	91	1964469	55.745	ug/l	99
68) m/p-Xylenes	11.850	106	1526251	111.721	ug/l	99
69) o-Xylene	12.173	106	705804	56.829	ug/l	99
70) Styrene	12.185	104	1258100	58.453	ug/l	99
71) Bromoform	12.355	173	185760	53.120	ug/l #	99
73) Isopropylbenzene	12.473	105	1808380	55.412	ug/l	100
74) N-amyl acetate	12.279	43	379284	56.502	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	340792	52.290	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	232788m	48.218	ug/l	
77) Bromobenzene	12.749	156	393720	53.566	ug/l	100
78) n-propylbenzene	12.814	91	2328717	55.557	ug/l	100
79) 2-Chlorotoluene	12.902	91	1320996	54.257	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1558235	55.817	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	100413	63.098	ug/l	99
82) 4-Chlorotoluene	12.997	91	1383654	54.360	ug/l	98
83) tert-Butylbenzene	13.214	119	1245076	54.856	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	1567249	56.906	ug/l	98
85) sec-Butylbenzene	13.391	105	1969097	54.877	ug/l	100
86) p-Isopropyltoluene	13.508	119	1611722	55.288	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	821618	53.242	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	796147	51.762	ug/l	99
89) n-Butylbenzene	13.832	91	1566710	54.457	ug/l	99
90) Hexachloroethane	14.102	117	320264	51.864	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	715522	53.721	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	48121	51.276	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	396549	55.182	ug/l	99
94) Hexachlorobutadiene	15.255	225	222113	50.528	ug/l	99
95) Naphthalene	15.391	128	744178	50.114	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	347940	55.988	ug/l	98

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

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