

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081420\
 Data File : VD066231.D
 Acq On : 14 Aug 2020 12:43
 Operator : VA/SY
 Sample : VD0814SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 5:45:57 PM

Quant Time: Aug 17 08:59:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	317861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	454537	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	438124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	220314	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	142697	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
35) Dibromofluoromethane	7.91	113	146466	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
50) Toluene-d8	10.34	98	546838	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.63	95	193903	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	55353	19.766	ug/l	95
3) Chloromethane	2.21	50	40221	18.463	ug/l	99
4) Vinyl Chloride	2.35	62	38090	19.750	ug/l	99
5) Bromomethane	2.76	94	25705	20.089	ug/l	99
6) Chloroethane	2.91	64	21971	18.558	ug/l #	89
7) Trichlorofluoromethane	3.27	101	96529	19.198	ug/l	96
8) Diethyl Ether	3.70	74	25307	17.837	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	55789	18.696	ug/l	99
10) Methyl Iodide	4.30	142	51095	22.994	ug/l	99
11) Tert butyl alcohol	5.23	59	21914	77.237	ug/l	95
12) 1,1-Dichloroethene	4.06	96	52264	18.566	ug/l	97
13) Acrolein	3.92	56	14226	63.024	ug/l	98
14) Allyl chloride	4.71	41	78279	18.355	ug/l	100
15) Acrylonitrile	5.42	53	51740	86.543	ug/l	99
16) Acetone	4.16	43	45402	84.379	ug/l	98
17) Carbon Disulfide	4.40	76	158293	17.685	ug/l	96
18) Methyl Acetate	4.71	43	23194	16.971	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	116438	18.046	ug/l	99
20) Methylene Chloride	4.96	84	70739	20.103	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	60536	18.720	ug/l	91
22) Diisopropyl ether	6.36	45	151731	17.992	ug/l	96
23) Vinyl Acetate	6.30	43	429363	86.904	ug/l	97
24) 1,1-Dichloroethane	6.26	63	95482	18.295	ug/l	98
25) 2-Butanone	7.21	43	68745	86.865	ug/l	97
26) 2,2-Dichloropropane	7.20	77	91355	19.530	ug/l	99
27) cis-1,2-Dichloroethene	7.20	96	63811	18.813	ug/l	99
28) Bromochloromethane	7.54	49	37585	20.504	ug/l	100
29) Tetrahydrofuran	7.56	42	42676	87.036	ug/l	96
30) Chloroform	7.71	83	102780	18.754	ug/l	96
31) Cyclohexane	7.98	56	91966	18.511	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	97260	18.928	ug/l	97
36) 1,1-Dichloropropene	8.11	75	78728	18.432	ug/l	97
37) Ethyl Acetate	7.29	43	28428	16.798	ug/l	97
38) Carbon Tetrachloride	8.09	117	93372	19.603	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	97901	18.961	ug/l	99
40) Benzene	8.35	78	224484	18.946	ug/l	98
41) Methacrylonitrile	7.52	41	16771	16.855	ug/l	95
42) 1,2-Dichloroethane	8.42	62	63907	18.360	ug/l	100
43) Isopropyl Acetate	8.44	43	58830	17.643	ug/l	99
44) Trichloroethene	9.11	130	70044	19.618	ug/l	95
45) 1,2-Dichloropropane	9.38	63	55472	19.142	ug/l	91
46) Dibromomethane	9.47	93	29461	18.456	ug/l	99
47) Bromodichloromethane	9.66	83	77476	18.364	ug/l	90
48) Methyl methacrylate	9.45	41	31315	18.392	ug/l	99
49) 1,4-Dioxane	9.46	88	6904	336.654	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	152053	88.778	ug/l	99
52) Toluene	10.40	92	149617	19.190	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	74955	18.721	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	89438	19.066	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	42306	18.406	ug/l	96
56) Ethyl methacrylate	10.66	69	51189	18.539	ug/l	99
57) 1,3-Dichloropropane	10.94	76	70267	18.414	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	125364	100.936	ug/l	100
59) 2-Hexanone	10.98	43	105338	87.633	ug/l	98
60) Dibromochloromethane	11.14	129	58250	18.356	ug/l	100
61) 1,2-Dibromoethane	11.24	107	40723	18.423	ug/l	99
64) Tetrachloroethene	10.87	164	60657	18.030	ug/l	96
65) Chlorobenzene	11.67	112	163222	18.352	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	62324	17.909	ug/l	98
67) Ethyl Benzene	11.74	91	281158	18.242	ug/l	99
68) m/p-Xylenes	11.85	106	220487	36.923	ug/l	96
69) o-Xylene	12.18	106	100455	18.493	ug/l	98
70) Styrene	12.20	104	173921	18.269	ug/l	98
71) Bromoform	12.36	173	36696	17.798	ug/l #	97
73) Isopropylbenzene	12.48	105	277971	18.901	ug/l	100
74) N-amyl acetate	12.29	43	55830	17.240	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	44923	17.914	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	34343m	18.692	ug/l	
77) Bromobenzene	12.76	156	71273	18.827	ug/l	100
78) n-propylbenzene	12.82	91	325357	19.032	ug/l	99
79) 2-Chlorotoluene	12.91	91	184838	18.905	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	235388	19.139	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	15375	18.499	ug/l	95
82) 4-Chlorotoluene	13.01	91	195782	18.969	ug/l	97
83) tert-Butylbenzene	13.23	119	202102	18.685	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	235093	19.100	ug/l	100
85) sec-Butylbenzene	13.40	105	280269	19.192	ug/l	99
86) p-Isopropyltoluene	13.52	119	263825	19.262	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	136564	19.193	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	134336	18.932	ug/l	98
89) n-Butylbenzene	13.85	91	236872	19.302	ug/l	99
90) Hexachloroethane	14.11	117	52461	19.205	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	117131	18.614	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7410	17.193	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	82414	17.772	ug/l	98
94) Hexachlorobutadiene	15.27	225	52921	19.380	ug/l	97
95) Naphthalene	15.41	128	129471	17.135	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	74654	18.237	ug/l	98

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

