

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065218.D
 Acq On : 18 Feb 2020 13:32
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD021820

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 1:44:21 PM

Quant Time: Feb 19 03:40:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	531420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	774698	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	689778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	330905	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	231373	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
35) Dibromofluoromethane	7.92	113	239493	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	10.34	98	962873	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
62) 4-Bromofluorobenzene	12.64	95	297447	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	245881	55.165	ug/l	99
3) Chloromethane	2.21	50	294930	51.986	ug/l	100
4) Vinyl Chloride	2.35	62	305879	53.022	ug/l	98
5) Bromomethane	2.77	94	179984	51.600	ug/l	98
6) Chloroethane	2.92	64	179105	50.862	ug/l	98
7) Trichlorofluoromethane	3.27	101	420802	50.949	ug/l	98
8) Diethyl Ether	3.71	74	116090	46.565	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	264148	50.644	ug/l	100
10) Methyl Iodide	4.30	142	290125	53.573	ug/l	99
11) Tert butyl alcohol	5.24	59	60872	213.080	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	261046	52.982	ug/l	95
13) Acrolein	3.92	56	72897	202.794	ug/l	100
14) Allyl chloride	4.71	41	420839	52.598	ug/l	99
15) Acrylonitrile	5.43	53	252431	228.697	ug/l	99
16) Acetone	4.16	43	274242	234.668	ug/l	96
17) Carbon Disulfide	4.40	76	858863	51.994	ug/l	100
18) Methyl Acetate	4.71	43	115244	43.846	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	514639	50.088	ug/l	98
20) Methylene Chloride	4.96	84	276847	53.541	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	294859	52.642	ug/l	96
22) Diisopropyl ether	6.37	45	794113	51.484	ug/l	99
23) Vinyl Acetate	6.31	43	2197660	258.446	ug/l	99
24) 1,1-Dichloroethane	6.26	63	480594	50.234	ug/l	98
25) 2-Butanone	7.22	43	331915	224.482	ug/l	100
26) 2,2-Dichloropropane	7.21	77	425993	51.320	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	301110	50.751	ug/l	99
28) Bromochloromethane	7.55	49	166124	46.804	ug/l	98
29) Tetrahydrofuran	7.57	42	204076	235.562	ug/l	100
30) Chloroform	7.71	83	475579	49.341	ug/l	99
31) Cyclohexane	7.98	56	467222	49.705	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	439808	50.999	ug/l	100
36) 1,1-Dichloropropene	8.11	75	398364	52.848	ug/l	99
37) Ethyl Acetate	7.30	43	148915	47.257	ug/l	99
38) Carbon Tetrachloride	8.10	117	399646	52.082	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	493739	55.716	ug/l	98
40) Benzene	8.35	78	1106060	51.985	ug/l	98
41) Methacrylonitrile	7.53	41	89846	49.380	ug/l	92
42) 1,2-Dichloroethane	8.43	62	283628	48.490	ug/l	99
43) Isopropyl Acetate	8.46	43	282207	49.248	ug/l	99
44) Trichloroethene	9.11	130	306184	51.916	ug/l	94
45) 1,2-Dichloropropane	9.39	63	267035	50.474	ug/l	98
46) Dibromomethane	9.48	93	133663	49.103	ug/l	98
47) Bromodichloromethane	9.67	83	356599	49.710	ug/l	100
48) Methyl methacrylate	9.46	41	133529	50.413	ug/l	98
49) 1,4-Dioxane	9.47	88	31113	974.537	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	699071	240.190	ug/l	99
52) Toluene	10.41	92	706176	53.622	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	340432	51.198	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	418322	52.099	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	184307	48.105	ug/l	96
56) Ethyl methacrylate	10.67	69	228317	51.630	ug/l	99
57) 1,3-Dichloropropane	10.95	76	320983	49.224	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	306945	220.159	ug/l	99
59) 2-Hexanone	10.99	43	510664	245.105	ug/l	98
60) Dibromochloromethane	11.14	129	241936	49.336	ug/l	99
61) 1,2-Dibromoethane	11.25	107	174119	47.999	ug/l	100
64) Tetrachloroethene	10.88	164	261513	53.456	ug/l	98
65) Chlorobenzene	11.68	112	719450	51.975	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	266413	51.575	ug/l	99
67) Ethyl Benzene	11.75	91	1316393	54.300	ug/l	99
68) m/p-Xylenes	11.86	106	1018159	109.772	ug/l	100
69) o-Xylene	12.18	106	453774	55.222	ug/l	99
70) Styrene	12.20	104	798338	54.720	ug/l	100
71) Bromoform	12.37	173	138540	48.333	ug/l #	99
73) Isopropylbenzene	12.48	105	1238515	56.534	ug/l	99
74) N-amyl acetate	12.30	43	252602	51.891	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	189346	47.889	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	128186m	45.530	ug/l	
77) Bromobenzene	12.77	156	289044	53.133	ug/l	98
78) n-propylbenzene	12.83	91	1484972	56.406	ug/l	100
79) 2-Chlorotoluene	12.91	91	806964	54.715	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1011605	56.064	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	64005	49.086	ug/l	99
82) 4-Chlorotoluene	13.01	91	843202	53.853	ug/l	99
83) tert-Butylbenzene	13.23	119	845646	55.919	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	995702	55.132	ug/l	99
85) sec-Butylbenzene	13.41	105	1217338	55.864	ug/l	100
86) p-Isopropyltoluene	13.53	119	1115155	55.959	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	552721	52.556	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	537479	51.783	ug/l	99
89) n-Butylbenzene	13.86	91	1037630	56.506	ug/l	99
90) Hexachloroethane	14.12	117	215590	53.281	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	463058	51.280	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29183	47.896	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	315941	53.489	ug/l	98
94) Hexachlorobutadiene	15.28	225	197447	52.110	ug/l	99
95) Naphthalene	15.41	128	521572	54.317	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	275321	53.370	ug/l	99

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

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