

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021220\
 Data File : VD065159.D
 Acq On : 12 Feb 2020 11:31
 Operator : VA/SY
 Sample : VD0212SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Feb 13 06:30:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

2/13/2020 10:58:56 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	484379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	716148	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	638315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	308953	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	200534	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
35) Dibromofluoromethane	7.92	113	201347	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	10.34	98	802839	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.64	95	243951	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	79284	19.669	ug/l	98
3) Chloromethane	2.21	50	104124	21.944	ug/l	92
4) Vinyl Chloride	2.35	62	105842	21.092	ug/l	99
5) Bromomethane	2.76	94	63845	19.622	ug/l	95
6) Chloroethane	2.92	64	64904	20.851	ug/l	97
7) Trichlorofluoromethane	3.27	101	153181	20.976	ug/l	96
8) Diethyl Ether	3.71	74	37615	17.942	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	92625	20.747	ug/l	99
10) Methyl Iodide	4.29	142	84764	16.635	ug/l	97
11) Tert butyl alcohol	5.25	59	22881	90.967	ug/l #	90
12) 1,1-Dichloroethene	4.06	96	86705	20.279	ug/l	98
13) Acrolein	3.93	56	24463	79.072	ug/l	95
14) Allyl chloride	4.71	41	136432	19.199	ug/l	99
15) Acrylonitrile	5.43	53	84435	92.122	ug/l	99
16) Acetone	4.16	43	86600	84.137	ug/l	94
17) Carbon Disulfide	4.40	76	280585	20.438	ug/l	98
18) Methyl Acetate	4.72	43	44801	20.833	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	162594	17.197	ug/l	93
20) Methylene Chloride	4.96	84	99087	19.457	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	95759	19.795	ug/l	92
22) Diisopropyl ether	6.37	45	259662	19.372	ug/l #	95
23) Vinyl Acetate	6.31	43	664078	88.887	ug/l	100
24) 1,1-Dichloroethane	6.26	63	163114	20.105	ug/l	98
25) 2-Butanone	7.22	43	106257	86.545	ug/l	97
26) 2,2-Dichloropropane	7.21	77	148278	20.390	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	100321	19.521	ug/l	99
28) Bromochloromethane	7.54	49	57391	18.661	ug/l	100
29) Tetrahydrofuran	7.57	42	65842	88.679	ug/l	98
30) Chloroform	7.71	83	169928	21.035	ug/l	96
31) Cyclohexane	7.99	56	160149	19.555	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	156018	20.733	ug/l	99
36) 1,1-Dichloropropene	8.11	75	135732	20.383	ug/l	98
37) Ethyl Acetate	7.30	43	48580	17.857	ug/l	98
38) Carbon Tetrachloride	8.09	117	138833	20.413	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	156867	19.085	ug/l	99
40) Benzene	8.35	78	373986	20.338	ug/l	100
41) Methacrylonitrile	7.53	41	27549	18.381	ug/l	95
42) 1,2-Dichloroethane	8.43	62	100646	19.208	ug/l	99
43) Isopropyl Acetate	8.46	43	90588	17.407	ug/l	98
44) Trichloroethene	9.11	130	106157	20.112	ug/l	97
45) 1,2-Dichloropropane	9.39	63	90946	20.628	ug/l	90
46) Dibromomethane	9.48	93	46503	20.072	ug/l	95
47) Bromodichloromethane	9.66	83	127968	20.963	ug/l	96
48) Methyl methacrylate	9.46	41	43275	17.281	ug/l	97
49) 1,4-Dioxane	9.47	88	9712	353.926	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	233098	90.999	ug/l	99
52) Toluene	10.41	92	239819	20.433	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	111456	18.752	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	140062	19.703	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	63076	19.849	ug/l	95
56) Ethyl methacrylate	10.67	69	69143	17.196	ug/l	98
57) 1,3-Dichloropropane	10.95	76	110320	19.742	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	117288	77.140	ug/l	99
59) 2-Hexanone	10.99	43	160477	88.447	ug/l	100
60) Dibromochloromethane	11.14	129	81034	19.687	ug/l	98
61) 1,2-Dibromoethane	11.25	107	60010	19.326	ug/l	98
64) Tetrachloroethene	10.88	164	92624	20.194	ug/l	97
65) Chlorobenzene	11.67	112	246213	19.943	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	89020	19.536	ug/l	97
67) Ethyl Benzene	11.75	91	445210	19.849	ug/l	96
68) m/p-Xylenes	11.86	106	338089	39.492	ug/l	97
69) o-Xylene	12.18	106	146353	18.984	ug/l	97
70) Styrene	12.20	104	262506	19.591	ug/l	99
71) Bromoform	12.37	173	47124	19.214	ug/l #	99
73) Isopropylbenzene	12.48	105	410939	19.379	ug/l	100
74) N-amyl acetate	12.30	43	78942	17.127	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	65367	19.586	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	42192m	18.038	ug/l	
77) Bromobenzene	12.77	156	97610	19.105	ug/l	99
78) n-propylbenzene	12.83	91	499678	20.121	ug/l	100
79) 2-Chlorotoluene	12.91	91	276146	19.949	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	343444	19.797	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	20762	17.751	ug/l	98
82) 4-Chlorotoluene	13.01	91	290905	20.010	ug/l	100
83) tert-Butylbenzene	13.23	119	284261	18.993	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	338390	19.648	ug/l	99
85) sec-Butylbenzene	13.41	105	411477	20.129	ug/l	99
86) p-Isopropyltoluene	13.53	119	379091	19.960	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	191899	20.061	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	191603	20.125	ug/l	98
89) n-Butylbenzene	13.86	91	347978	19.850	ug/l	100
90) Hexachloroethane	14.12	117	74844	20.810	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	158508	19.346	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10334	18.968	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	108481	18.524	ug/l	98
94) Hexachlorobutadiene	15.28	225	71217	19.778	ug/l	100
95) Naphthalene	15.41	128	157938	16.226	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	92711	18.508	ug/l	99

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

