

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012720\
 Data File : VD064959.D
 Acq On : 27 Jan 2020 13:05
 Operator : VA/SY
 Sample : VD0127SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/28/2020 3:40:02 PM

Quant Time: Jan 27 13:36:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	471273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	702968	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	604943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	292955	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	225430	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
35) Dibromofluoromethane	7.92	113	221649	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	10.34	98	864426	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.64	95	265405	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	70411	19.832	ug/l	96
3) Chloromethane	2.21	50	107598	20.678	ug/l	100
4) Vinyl Chloride	2.35	62	119313	19.964	ug/l	96
5) Bromomethane	2.76	94	76427	19.011	ug/l	97
6) Chloroethane	2.92	64	75834	19.247	ug/l	97
7) Trichlorofluoromethane	3.27	101	179734	19.473	ug/l	98
8) Diethyl Ether	3.71	74	39924	19.161	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	89320	20.800	ug/l	99
10) Methyl Iodide	4.29	142	78051	17.123	ug/l	98
11) Tert butyl alcohol	5.25	59	20924	83.761	ug/l	95
12) 1,1-Dichloroethene	4.06	96	83379	20.325	ug/l	96
13) Acrolein	3.92	56	28300	90.369	ug/l	95
14) Allyl chloride	4.70	41	131764	20.139	ug/l	98
15) Acrylonitrile	5.43	53	84287	93.413	ug/l	100
16) Acetone	4.17	43	89553	83.871	ug/l	97
17) Carbon Disulfide	4.40	76	273546	20.261	ug/l	99
18) Methyl Acetate	4.73	43	40548	19.152	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	171261	18.684	ug/l	95
20) Methylene Chloride	4.96	84	102186	19.319	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	95522	20.210	ug/l	89
22) Diisopropyl ether	6.37	45	255984	19.632	ug/l	97
23) Vinyl Acetate	6.31	43	700196	91.716	ug/l	98
24) 1,1-Dichloroethane	6.26	63	161574	20.182	ug/l	98
25) 2-Butanone	7.22	43	108327	88.699	ug/l	97
26) 2,2-Dichloropropane	7.21	77	148451	20.443	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	97912	19.409	ug/l	98
28) Bromochloromethane	7.55	49	54760	17.103	ug/l	99
29) Tetrahydrofuran	7.57	42	66422	88.147	ug/l	99
30) Chloroform	7.71	83	167151	20.197	ug/l	96
31) Cyclohexane	7.98	56	155197	19.706	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	153908	19.990	ug/l	99
36) 1,1-Dichloropropene	8.11	75	133585	19.707	ug/l	99
37) Ethyl Acetate	7.30	43	47805	17.074	ug/l	99
38) Carbon Tetrachloride	8.10	117	139497	19.470	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	157659	19.894	ug/l	96
40) Benzene	8.35	78	363238	19.457	ug/l	99
41) Methacrylonitrile	7.53	41	28025	18.580	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	103700	18.647	ug/l	96
43) Isopropyl Acetate	8.46	43	94291	17.728	ug/l	98
44) Trichloroethene	9.11	130	102085	19.538	ug/l	90
45) 1,2-Dichloropropane	9.39	63	88308	19.512	ug/l	100
46) Dibromomethane	9.48	93	45181	18.285	ug/l	100
47) Bromodichloromethane	9.67	83	124721	19.398	ug/l	99
48) Methyl methacrylate	9.46	41	44270	18.087	ug/l	99
49) 1,4-Dioxane	9.47	88	10248	357.605	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	234513	88.122	ug/l	99
52) Toluene	10.41	92	229652	19.080	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	115255	18.819	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	139362	19.435	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	61882	18.592	ug/l	96
56) Ethyl methacrylate	10.67	69	70032	17.596	ug/l	98
57) 1,3-Dichloropropane	10.95	76	107170	18.773	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	129059	97.603	ug/l	99
59) 2-Hexanone	10.99	43	159603	86.947	ug/l	97
60) Dibromochloromethane	11.14	129	83155	18.693	ug/l	97
61) 1,2-Dibromoethane	11.25	107	60283	18.810	ug/l	98
64) Tetrachloroethene	10.88	164	88290	20.197	ug/l	93
65) Chlorobenzene	11.67	112	248047	20.195	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	89128	19.295	ug/l	98
67) Ethyl Benzene	11.75	91	438274	20.099	ug/l	99
68) m/p-Xylenes	11.86	106	332911	39.653	ug/l	98
69) o-Xylene	12.18	106	150524	20.201	ug/l	96
70) Styrene	12.20	104	262993	19.813	ug/l	99
71) Bromoform	12.37	173	49056	19.105	ug/l #	99
73) Isopropylbenzene	12.48	105	409257	20.439	ug/l	100
74) N-amyl acetate	12.30	43	80827	18.040	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	65529	19.472	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	53825m	22.136	ug/l	
77) Bromobenzene	12.77	156	99151	20.238	ug/l	96
78) n-propylbenzene	12.83	91	488637	20.520	ug/l	100
79) 2-Chlorotoluene	12.91	91	264728	20.265	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	341816	20.831	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	20445	17.953	ug/l	95
82) 4-Chlorotoluene	13.01	91	285482	20.607	ug/l	98
83) tert-Butylbenzene	13.23	119	282183	20.265	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	340079	20.459	ug/l	99
85) sec-Butylbenzene	13.41	105	398379	20.205	ug/l	100
86) p-Isopropyltoluene	13.53	119	382412	20.727	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	188090	20.009	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	188118	20.163	ug/l	99
89) n-Butylbenzene	13.86	91	348692	20.709	ug/l	100
90) Hexachloroethane	14.12	117	73608	20.688	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	162259	20.332	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10331	19.183	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	107637	19.496	ug/l	100
94) Hexachlorobutadiene	15.28	225	71967	20.609	ug/l	97
95) Naphthalene	15.41	128	162464	18.234	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	91892	19.197	ug/l	98

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

