

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012120\
 Data File : VD064903.D
 Acq On : 21 Jan 2020 10:51
 Operator : VA/SY
 Sample : VD0121SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0121SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2020 10:49:24 AM

Quant Time: Jan 22 06:07:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	337966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	483156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	428507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	214863	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	151148	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
35) Dibromofluoromethane	7.91	113	152161	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
50) Toluene-d8	10.34	98	554989	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.64	95	174650	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	56533	21.524	ug/l	98
3) Chloromethane	2.21	50	82383	22.428	ug/l	100
4) Vinyl Chloride	2.35	62	96688	21.588	ug/l	95
5) Bromomethane	2.77	94	67165	20.625	ug/l	99
6) Chloroethane	2.92	64	67637	22.538	ug/l	99
7) Trichlorofluoromethane	3.27	101	166044	22.018	ug/l	97
8) Diethyl Ether	3.71	74	33248	22.202	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	78120	25.013	ug/l	97
10) Methyl Iodide	4.30	142	67485	20.116	ug/l	96
11) Tert butyl alcohol	5.25	59	22354	130.883	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	68554	23.056	ug/l	92
13) Acrolein	3.92	56	16000	67.219	ug/l	99
14) Allyl chloride	4.71	41	112502	24.268	ug/l	99
15) Acrylonitrile	5.42	53	68412	109.675	ug/l	98
16) Acetone	4.17	43	78021	119.059	ug/l #	86
17) Carbon Disulfide	4.40	76	209864	21.828	ug/l	97
18) Methyl Acetate	4.72	43	37097	22.111	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	146133	22.127	ug/l	95
20) Methylene Chloride	4.97	84	101136	31.361	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	79255	23.405	ug/l	96
22) Diisopropyl ether	6.37	45	222060	24.015	ug/l	96
23) Vinyl Acetate	6.31	43	572886	109.220	ug/l	99
24) 1,1-Dichloroethane	6.27	63	138566	24.962	ug/l	96
25) 2-Butanone	7.22	43	91204	111.337	ug/l	99
26) 2,2-Dichloropropane	7.21	77	129828	25.155	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	82768	22.648	ug/l	95
28) Bromochloromethane	7.54	49	45027	20.867	ug/l	99
29) Tetrahydrofuran	7.57	42	54124	106.246	ug/l	97
30) Chloroform	7.71	83	139956	24.031	ug/l	97
31) Cyclohexane	7.98	56	126745	22.810	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	137228	25.086	ug/l	98
36) 1,1-Dichloropropene	8.11	75	111803	24.042	ug/l	99
37) Ethyl Acetate	7.30	43	39038	21.368	ug/l	97
38) Carbon Tetrachloride	8.10	117	119657	24.131	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	128143	22.751	ug/l	98
40) Benzene	8.35	78	306088	24.111	ug/l	99
41) Methacrylonitrile	7.53	41	23718	22.376	ug/l	92
42) 1,2-Dichloroethane	8.43	62	90014	24.537	ug/l	100
43) Isopropyl Acetate	8.46	43	76555	21.053	ug/l	97
44) Trichloroethene	9.11	130	86778	23.269	ug/l	99
45) 1,2-Dichloropropane	9.39	63	75164	24.798	ug/l	99
46) Dibromomethane	9.48	93	40105	23.732	ug/l	96
47) Bromodichloromethane	9.66	83	108007	24.018	ug/l	97
48) Methyl methacrylate	9.46	41	36235	21.163	ug/l	92
49) 1,4-Dioxane	9.47	88	7825	401.568	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	193366	107.584	ug/l	99
52) Toluene	10.41	92	196631	23.608	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	95600	22.802	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	118856	24.043	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	51793	22.741	ug/l	92
56) Ethyl methacrylate	10.66	69	58697	20.637	ug/l	98
57) 1,3-Dichloropropane	10.95	76	91892	23.434	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	130415	120.348	ug/l	97
59) 2-Hexanone	10.99	43	135887	111.393	ug/l	97
60) Dibromochloromethane	11.14	129	71512	22.706	ug/l	98
61) 1,2-Dibromoethane	11.25	107	49805	22.172	ug/l	99
64) Tetrachloroethene	10.87	164	75418	22.941	ug/l	92
65) Chlorobenzene	11.67	112	208740	23.471	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	75755	22.595	ug/l	98
67) Ethyl Benzene	11.75	91	370633	22.960	ug/l	99
68) m/p-Xylenes	11.86	106	283732	45.538	ug/l	98
69) o-Xylene	12.18	106	127413	22.640	ug/l	99
70) Styrene	12.20	104	226091	22.887	ug/l	98
71) Bromoform	12.37	173	40996	21.442	ug/l #	98
73) Isopropylbenzene	12.48	105	355000	23.120	ug/l	99
74) N-amyl acetate	12.30	43	66245	20.183	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	53088	22.009	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	34496m	20.331	ug/l	
77) Bromobenzene	12.77	156	84902	22.503	ug/l	99
78) n-propylbenzene	12.83	91	421271	23.518	ug/l	99
79) 2-Chlorotoluene	12.91	91	222419	22.603	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	294546	23.352	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	16838	20.756	ug/l	97
82) 4-Chlorotoluene	13.01	91	237653	22.694	ug/l	98
83) tert-Butylbenzene	13.23	119	248842	22.723	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	287913	22.920	ug/l	99
85) sec-Butylbenzene	13.41	105	351425	23.407	ug/l	99
86) p-Isopropyltoluene	13.53	119	325459	22.671	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	161583	22.466	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	162480	22.996	ug/l	99
89) n-Butylbenzene	13.85	91	297068	22.979	ug/l	99
90) Hexachloroethane	14.12	117	63831	23.277	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	136695	22.289	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	8508	21.758	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	95840	21.223	ug/l	97
94) Hexachlorobutadiene	15.28	225	62840	22.114	ug/l	95
95) Naphthalene	15.41	128	135695	18.994	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	78932	20.475	ug/l	99

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

