

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
 Data File : VD063929.D
 Acq On : 11 Oct 2019 11:29
 Operator : VA/SY
 Sample : VD1011SBS01
 Misc : 5.00G/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 4:13:45 PM

Quant Time: Oct 12 01:48:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	152137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	244032	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	239100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	123711	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	73933	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
35) Dibromofluoromethane	7.91	113	76902	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
50) Toluene-d8	10.34	98	315166	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
62) 4-Bromofluorobenzene	12.64	95	102169	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	23705	21.971	ug/l	99
3) Chloromethane	2.21	50	72848	22.595	ug/l	97
4) Vinyl Chloride	2.35	62	85882	24.629	ug/l	96
5) Bromomethane	2.76	94	50491	22.522	ug/l	92
6) Chloroethane	2.93	64	54261	23.529	ug/l	100
7) Trichlorofluoromethane	3.27	101	114858	24.913	ug/l	92
8) Diethyl Ether	3.71	74	14935	20.182	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	31497	24.680	ug/l	92
10) Methyl Iodide	4.29	142	34949	19.874	ug/l	98
11) Tert butyl alcohol	5.24	59	9750m	89.607	ug/l	
12) 1,1-Dichloroethene	4.06	96	28902	22.668	ug/l	85
13) Acrolein	3.92	56	11134	84.164	ug/l	95
14) Allyl chloride	4.71	41	45329	21.383	ug/l	100
15) Acrylonitrile	5.43	53	35818	109.784	ug/l	100
16) Acetone	4.16	43	35889	93.066	ug/l #	88
17) Carbon Disulfide	4.40	76	93438	20.160	ug/l #	93
18) Methyl Acetate	4.72	43	17968	23.822	ug/l	93
19) Methyl tert-butyl Ether	5.49	73	65817	19.934	ug/l #	83
20) Methylene Chloride	4.96	84	39462	21.337	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	36438	22.957	ug/l	95
22) Diisopropyl ether	6.37	45	95098	21.966	ug/l	93
23) Vinyl Acetate	6.31	43	267609	103.906	ug/l	96
24) 1,1-Dichloroethane	6.26	63	59441	22.290	ug/l	99
25) 2-Butanone	7.22	43	46859	102.533	ug/l	97
26) 2,2-Dichloropropane	7.21	77	50450	20.914	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	39672	22.082	ug/l	96
28) Bromochloromethane	7.55	49	19554	20.432	ug/l #	90
29) Tetrahydrofuran	7.57	42	27860	104.443	ug/l #	78
30) Chloroform	7.71	83	62510	21.582	ug/l	95
31) Cyclohexane	7.98	56	57116	23.815	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	56431	22.713	ug/l	96
36) 1,1-Dichloropropene	8.11	75	50668	22.708	ug/l	97
37) Ethyl Acetate	7.30	43	18955	18.688	ug/l	97
38) Carbon Tetrachloride	8.09	117	50595	22.439	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	63796	23.254	ug/l	91
40) Benzene	8.35	78	142017	22.211	ug/l	100
41) Methacrylonitrile	7.53	41	13256	25.625	ug/l #	75
42) 1,2-Dichloroethane	8.43	62	40386	21.835	ug/l	99
43) Isopropyl Acetate	8.46	43	37180	19.870	ug/l	98
44) Trichloroethene	9.11	130	39550	21.450	ug/l	85
45) 1,2-Dichloropropane	9.39	63	34984	22.353	ug/l	92
46) Dibromomethane	9.48	93	18349	20.586	ug/l	95
47) Bromodichloromethane	9.67	83	47931	20.887	ug/l	95
48) Methyl methacrylate	9.46	41	18774	20.940	ug/l	93
49) 1,4-Dioxane	9.47	88	4926	404.886	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	98765	101.773	ug/l	98
52) Toluene	10.40	92	98803	22.509	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	46102	20.588	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	53740	20.848	ug/l	90
55) 1,1,2-Trichloroethane	10.80	97	26635	21.164	ug/l	92
56) Ethyl methacrylate	10.66	69	30919	19.401	ug/l	92
57) 1,3-Dichloropropane	10.94	76	44782	20.798	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	68573	100.101	ug/l	97
59) 2-Hexanone	10.98	43	73742	105.047	ug/l	96
60) Dibromochloromethane	11.14	129	34251	20.905	ug/l	92
61) 1,2-Dibromoethane	11.25	107	26850	22.007	ug/l	95
64) Tetrachloroethene	10.88	164	35933	22.014	ug/l	95
65) Chlorobenzene	11.67	112	106037	22.083	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	38060	21.511	ug/l	97
67) Ethyl Benzene	11.74	91	190494	22.001	ug/l	96
68) m/p-Xylenes	11.86	106	145342	43.489	ug/l	95
69) o-Xylene	12.18	106	70079	21.899	ug/l	96
70) Styrene	12.20	104	117942	21.771	ug/l	98
71) Bromoform	12.37	173	19706	20.753	ug/l #	99
73) Isopropylbenzene	12.48	105	191249	22.996	ug/l	100
74) N-amyl acetate	12.29	43	36914	20.616	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	30492	21.070	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	16954m	20.461	ug/l	
77) Bromobenzene	12.76	156	46834	22.603	ug/l	95
78) n-propylbenzene	12.82	91	233184	23.887	ug/l	98
79) 2-Chlorotoluene	12.91	91	121362	22.547	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	158663	22.868	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	9871	21.081	ug/l	97
82) 4-Chlorotoluene	13.01	91	125288	21.942	ug/l	98
83) tert-Butylbenzene	13.23	119	139296	22.559	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	157150	21.970	ug/l	100
85) sec-Butylbenzene	13.40	105	196122	23.519	ug/l	99
86) p-Isopropyltoluene	13.52	119	182836	23.171	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	91369	22.318	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	90356	22.371	ug/l	98
89) n-Butylbenzene	13.84	91	171014	23.283	ug/l	99
90) Hexachloroethane	14.11	117	31577	22.250	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	79613	22.565	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.50	75	5262	22.027	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	54901	20.167	ug/l	99
94) Hexachlorobutadiene	15.27	225	33564	22.342	ug/l	97
95) Naphthalene	15.40	128	94223	20.592	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	48558	20.673	ug/l	96

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

