

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
 Data File : VD062671.D
 Acq On : 12 Jun 2019 13:49
 Operator : VA/AP
 Sample : VD0612SBS02
 Misc : 4.36g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 3:11:59 PM

Quant Time: Jun 13 07:37:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	775563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1030518	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	878914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	485230	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	517445	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
35) Dibromofluoromethane	6.91	113	522653	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
50) Toluene-d8	10.39	98	1232189	53.89	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.78%	
62) 4-Bromofluorobenzene	13.54	95	555679	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	142526	13.947	ug/l	90
3) Chloromethane	1.73	50	124525	16.227	ug/l	96
4) Vinyl Chloride	1.84	62	111556	14.098	ug/l	91
5) Bromomethane	2.13	94	53038	13.278	ug/l	94
6) Chloroethane	2.24	64	56224	14.391	ug/l #	79
7) Trichlorofluoromethane	2.51	101	241745	13.649	ug/l	100
8) Diethyl Ether	2.85	74	31085	12.904	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.13	101	151462	15.857	ug/l	97
10) Methyl Iodide	3.29	142	157774	14.475	ug/l	92
11) Tert butyl alcohol	4.06	59	34367	74.708	ug/l #	84
12) 1,1-Dichloroethene	3.11	96	103406	15.085	ug/l	92
13) Acrolein	3.02	56	12947m	87.495	ug/l	
14) Allyl chloride	3.60	41	161082	15.283	ug/l	93
15) Acrylonitrile	4.18	53	84204	80.551	ug/l	94
16) Acetone	3.21	43	150291	73.337	ug/l	96
17) Carbon Disulfide	3.35	76	286083	14.162	ug/l	98
18) Methyl Acetate	3.63	43	49459	14.686	ug/l	96
19) Methyl tert-butyl Ether	4.22	73	257538	15.404	ug/l	99
20) Methylene Chloride	3.80	84	102380	12.895	ug/l	95
21) trans-1,2-Dichloroethene	4.19	96	115045	15.300	ug/l	91
22) Diisopropyl ether	5.10	45	335821	15.345	ug/l	99
23) Vinyl Acetate	5.04	43	1023510	75.384	ug/l	100
24) 1,1-Dichloroethane	4.96	63	214231	15.216	ug/l	99
25) 2-Butanone	6.06	43	143501	71.777	ug/l	98
26) 2,2-Dichloropropane	6.00	77	246346	15.182	ug/l	96
27) cis-1,2-Dichloroethene	6.01	96	127595	15.653	ug/l	87
28) Bromochloromethane	6.42	49	84415	15.685	ug/l	97
29) Tetrahydrofuran	6.45	42	67429	74.893	ug/l	97
30) Chloroform	6.65	83	279846	15.492	ug/l	89
31) Cyclohexane	6.94	56	127688	14.458	ug/l	95
32) 1,1,1-Trichloroethane	6.85	97	285905	15.906	ug/l	98
36) 1,1-Dichloropropene	7.13	75	175358	14.868	ug/l	90
37) Ethyl Acetate	6.17	43	77544	16.250	ug/l #	87
38) Carbon Tetrachloride	7.10	117	293378	15.737	ug/l #	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	148153	15.545	ug/l	93
40) Benzene	7.44	78	359461	15.606	ug/l	98
41) Methacrylonitrile	6.43	41	90521	14.662	ug/l #	90
42) 1,2-Dichloroethane	7.56	62	198658	14.470	ug/l	94
43) Isopropyl Acetate	9.23	43	95568	15.357	ug/l #	84
44) Trichloroethene	8.52	130	145788	15.591	ug/l	94
45) 1,2-Dichloropropane	8.93	63	92142	16.655	ug/l	97
46) Dibromomethane	9.04	93	75734	15.422	ug/l	92
47) Bromodichloromethane	9.36	83	214193	16.034	ug/l	97
48) Methyl methacrylate	9.10	41	71705	15.949	ug/l	92
49) 1,4-Dioxane	9.06	88	12762	349.695	ug/l #	72
51) 4-Methyl-2-Pentanone	10.30	43	342387	78.629	ug/l	97
52) Toluene	10.49	92	226048	14.600	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	176405	16.106	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	186824	16.503	ug/l	91
55) 1,1,2-Trichloroethane	11.18	97	81383	15.328	ug/l	93
56) Ethyl methacrylate	11.03	69	91545	17.122	ug/l	94
57) 1,3-Dichloropropane	11.40	76	132757	16.132	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.84	63	313609	110.510	ug/l	100
59) 2-Hexanone	11.53	43	248929	76.851	ug/l	98
60) Dibromochloromethane	11.67	129	165523	15.792	ug/l	98
61) 1,2-Dibromoethane	11.79	107	99631	15.678	ug/l	99
64) Tetrachloroethene	11.25	164	125127	15.208	ug/l	91
65) Chlorobenzene	12.39	112	304239	15.649	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	144388	15.572	ug/l	98
67) Ethyl Benzene	12.52	91	547883	15.895	ug/l	98
68) m/p-Xylenes	12.66	106	375799	31.012	ug/l	95
69) o-Xylene	13.04	106	171237	15.386	ug/l	95
70) Styrene	13.06	104	314229	15.824	ug/l	95
71) Bromoform	13.23	173	103420	16.548	ug/l	97
73) Isopropylbenzene	13.40	105	537904	15.728	ug/l	100
74) N-amyl acetate	13.26	43	141890	15.351	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	92753	15.849	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	105830	16.085	ug/l	97
77) Bromobenzene	13.66	156	149548	15.298	ug/l	96
78) n-propylbenzene	13.77	91	690923	16.504	ug/l	99
79) 2-Chlorotoluene	13.83	91	407105	16.608	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	499982	16.541	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	26772	16.547	ug/l	91
82) 4-Chlorotoluene	13.94	91	465612	15.884	ug/l	91
83) tert-Butylbenzene	14.18	119	559408	16.780	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	519489	17.358	ug/l	99
85) sec-Butylbenzene	14.36	105	510837	14.612	ug/l	97
86) p-Isopropyltoluene	14.49	119	568442	16.701	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	256636	14.492	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	281919	16.845	ug/l	98
89) n-Butylbenzene	14.79	91	494469	16.148	ug/l	97
90) Hexachloroethane	15.00	117	142613	15.871	ug/l	82
91) 1,2-Dichlorobenzene	14.80	146	240977	16.370	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.37	75	20640	16.512	ug/l	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	188210	17.564	ug/l	99
94) Hexachlorobutadiene	16.03	225	134627	15.490	ug/l	98
95) Naphthalene	16.11	128	249398	16.637	ug/l	97
96) 1,2,3-Trichlorobenzene	16.26	180	134260	15.834	ug/l	93

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

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