

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060920.D
 Acq On : 4 Mar 2019 13:41
 Operator : VA/AP
 Sample : VD0304SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 10:49:21 AM

Quant Time: Mar 05 02:10:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 01:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	797168	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.25	114	1363407	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	1078334	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	473071	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.48	65	353898	53.70	ug/l	0.03
Spiked Amount	50.000		Recovery	=	107.40%	
35) Dibromofluoromethane	6.95	113	538686	49.28	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	10.43	98	1388413	51.05	ug/l	0.03
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	13.56	95	530440	51.61	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	180734	20.461	ug/l	97
3) Chloromethane	1.78	50	153712	20.970	ug/l	99
4) Vinyl Chloride	1.87	62	131352	19.835	ug/l	100
5) Bromomethane	2.16	94	18405	15.734	ug/l	92
6) Chloroethane	2.28	64	25461	15.958	ug/l	97
7) Trichlorofluoromethane	2.55	101	151384	19.045	ug/l	98
8) Diethyl Ether	2.89	74	64388	18.365	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.18	101	211744	19.640	ug/l	98
10) Methyl Iodide	3.33	142	256924	19.725	ug/l	97
11) Tert butyl alcohol	4.10	59	48784	99.322	ug/l	99
12) 1,1-Dichloroethene	3.15	96	180580	19.746	ug/l	96
13) Acrolein	3.06	56	67626	99.424	ug/l	100
14) Allyl chloride	3.65	41	282697	18.952	ug/l	98
15) Acrylonitrile	4.23	53	170383	90.597	ug/l	97
16) Acetone	3.25	43	209289	95.116	ug/l	99
17) Carbon Disulfide	3.40	76	606217	18.700	ug/l	100
18) Methyl Acetate	3.67	43	78469	17.417	ug/l	98
19) Methyl tert-butyl Ether	4.27	73	312711	19.440	ug/l	98
20) Methylene Chloride	3.85	84	220177	18.818	ug/l	94
21) trans-1,2-Dichloroethene	4.25	96	190923	19.177	ug/l	98
22) Diisopropyl ether	5.16	45	609586	19.246	ug/l	98
23) Vinyl Acetate	5.09	43	1557748	93.654	ug/l	99
24) 1,1-Dichloroethane	5.02	63	317425	18.791	ug/l	100
25) 2-Butanone	6.10	43	258580	94.733	ug/l	100
26) 2,2-Dichloropropane	6.05	77	249118	19.852	ug/l	99
27) cis-1,2-Dichloroethene	6.07	96	220931	19.571	ug/l	99
28) Bromochloromethane	6.47	49	122014	17.196	ug/l #	99
29) Tetrahydrofuran	6.49	42	138927	98.881	ug/l	100
30) Chloroform	6.69	83	324889	19.830	ug/l	98
31) Cyclohexane	6.99	56	294989	20.276	ug/l	98
32) 1,1,1-Trichloroethane	6.90	97	272222	19.404	ug/l	99
36) 1,1-Dichloropropene	7.17	75	249828	19.930	ug/l	98
37) Ethyl Acetate	6.21	43	119553	18.552	ug/l	99
38) Carbon Tetrachloride	7.14	117	259493	19.268	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	280917	20.501	ug/l	99
40) Benzene	7.48	78	691257	21.653	ug/l	97
41) Methacrylonitrile	6.48	41	81346m	20.206	ug/l	
42) 1,2-Dichloroethane	7.61	62	184467	20.536	ug/l	96
43) Isopropyl Acetate	9.26	43	188528	20.983	ug/l #	99
44) Trichloroethene	8.56	130	222283	20.331	ug/l	99
45) 1,2-Dichloropropane	8.97	63	169282	20.029	ug/l	99
46) Dibromomethane	9.08	93	107272	19.677	ug/l	97
47) Bromodichloromethane	9.40	83	236169	19.860	ug/l	97
48) Methyl methacrylate	9.14	41	96898	19.196	ug/l	99
49) 1,4-Dioxane	9.10	88	21786	412.263	ug/l	91
51) 4-Methyl-2-Pentanone	10.32	43	536600	98.094	ug/l	99
52) Toluene	10.53	92	393821	19.201	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	215707	19.712	ug/l	98
54) cis-1,3-Dichloropropene	10.06	75	273465	20.153	ug/l	98
55) 1,1,2-Trichloroethane	11.21	97	137105	20.214	ug/l	98
56) Ethyl methacrylate	11.06	69	138129	19.210	ug/l	94
57) 1,3-Dichloropropane	11.43	76	203907	20.677	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.88	63	383054	99.747	ug/l	95
59) 2-Hexanone	11.55	43	388614	101.343	ug/l	99
60) Dibromochloromethane	11.70	129	192111	19.638	ug/l	100
61) 1,2-Dibromoethane	11.82	107	158490	19.890	ug/l	100
64) Tetrachloroethene	11.28	164	167301	20.268	ug/l	98
65) Chlorobenzene	12.41	112	507734	21.149	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	184128	21.372	ug/l	97
67) Ethyl Benzene	12.54	91	753460	21.554	ug/l	100
68) m/p-Xylenes	12.68	106	595389	42.630	ug/l	96
69) o-Xylene	13.06	106	280644	21.392	ug/l	97
70) Styrene	13.08	104	472103	21.568	ug/l	98
71) Bromoform	13.25	173	113420	20.800	ug/l	99
73) Isopropylbenzene	13.42	105	750266	20.527	ug/l	98
74) N-amyl acetate	13.28	43	226028	20.702	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	152818	20.160	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	160492	20.938	ug/l	97
77) Bromobenzene	13.68	156	195432	20.456	ug/l	96
78) n-propylbenzene	13.79	91	866760	20.612	ug/l	98
79) 2-Chlorotoluene	13.85	91	481941	20.067	ug/l	95
80) 1,3,5-Trimethylbenzene	14.25	105	578590	20.874	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	51475	22.691	ug/l	99
82) 4-Chlorotoluene	13.96	91	559757	21.250	ug/l	96
83) tert-Butylbenzene	14.20	119	654375	20.619	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	578590	20.874	ug/l	95
85) sec-Butylbenzene	14.38	105	775546	21.079	ug/l	96
86) p-Isopropyltoluene	14.50	119	640719	21.381	ug/l	98
87) 1,3-Dichlorobenzene	14.47	146	368439	22.700	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	354073	21.967	ug/l	99
89) n-Butylbenzene	14.80	91	570663	19.119	ug/l	98
90) Hexachloroethane	15.02	117	182217	21.084	ug/l	90
91) 1,2-Dichlorobenzene	14.82	146	290885	20.685	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	17592	19.833	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	158161	19.369	ug/l	98
94) Hexachlorobutadiene	16.04	225	106559	20.331	ug/l	98
95) Naphthalene	16.13	128	261337	20.552	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	100380	21.890	ug/l	97

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

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