

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091418\
 Data File : VD060004.D
 Acq On : 14 Sep 2018 12:25
 Operator : JC/SY
 Sample : VD0914SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

Manual Integrations
 APPROVED

apatel
 9/17/2018 1:00:59 PM

Quant Time: Sep 14 13:34:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1474518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2021045	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1670119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	873984	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	615850	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
35) Dibromofluoromethane	6.29	113	820497	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
50) Toluene-d8	9.43	98	2312522	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
62) 4-Bromofluorobenzene	12.42	95	882733	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	270888	17.40	ug/l	100
3) Chloromethane	1.74	50	289530	21.06	ug/l	97
4) Vinyl Chloride	1.83	62	228810	20.70	ug/l	97
5) Bromomethane	2.11	94	21751	16.63	ug/l	99
6) Chloroethane	2.22	64	56556	22.89	ug/l #	87
7) Trichlorofluoromethane	2.48	101	257476	21.16	ug/l	98
8) Diethyl Ether	2.80	74	53831	20.81	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.06	101	160593	20.93	ug/l	98
10) Methyl Iodide	3.21	142	148545	18.28	ug/l	95
11) Tert butyl alcohol	3.95	59	84391	90.95	ug/l	99
12) 1,1-Dichloroethene	3.04	96	130879	21.57	ug/l	98
13) Acrolein	2.96	56	59653	103.82	ug/l	99
14) Allyl chloride	3.50	41	266688	20.84	ug/l	98
15) Acrylonitrile	4.05	53	348979	99.64	ug/l	97
16) Acetone	3.14	43	251390	113.24	ug/l	98
17) Carbon Disulfide	3.28	76	429264	20.54	ug/l	100
18) Methyl Acetate	3.53	43	89100	19.73	ug/l	97
19) Methyl tert-butyl Ether	4.09	73	562037	20.05	ug/l	97
20) Methylene Chloride	3.69	84	412465	22.09	ug/l	99
21) trans-1,2-Dichloroethene	4.06	96	323078	20.29	ug/l	94
22) Diisopropyl ether	4.83	45	1203354	20.62	ug/l	96
23) Vinyl Acetate	4.77	43	3528514	106.72	ug/l	99
24) 1,1-Dichloroethane	4.72	63	535820	20.46	ug/l	99
25) 2-Butanone	5.60	43	703349	117.40	ug/l	100
26) 2,2-Dichloropropane	5.56	77	423110	20.78	ug/l	97
27) cis-1,2-Dichloroethene	5.57	96	342182	20.55	ug/l	97
28) Bromochloromethane	5.90	49	260070	20.66	ug/l	100
29) Tetrahydrofuran	5.93	42	323801	100.78	ug/l	98
30) Chloroform	6.08	83	540025	20.33	ug/l	99
31) Cyclohexane	6.34	56	509593	19.96	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	448409	20.36	ug/l	100
36) 1,1-Dichloropropene	6.50	75	409141	20.38	ug/l	97
37) Ethyl Acetate	5.67	43	255441	18.50	ug/l	99
38) Carbon Tetrachloride	6.47	117	379409	20.24	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	468941	20.65	ug/l	100
40) Benzene	6.77	78	1061720	20.75	ug/l	100
41) Methacrylonitrile	5.90	41	122394m	16.93	ug/l	
42) 1,2-Dichloroethane	6.87	62	311112	20.25	ug/l	99
43) Isopropyl Acetate	8.33	43	367001	19.85	ug/l #	99
44) Trichloroethene	7.72	130	312228	19.75	ug/l	98
45) 1,2-Dichloropropane	8.09	63	282344	20.64	ug/l	100
46) Dibromomethane	8.19	93	180283	20.19	ug/l	96
47) Bromodichloromethane	8.47	83	388250	20.17	ug/l	99
48) Methyl methacrylate	8.22	41	206603	20.07	ug/l	98
49) 1,4-Dioxane	8.21	88	39360	384.93	ug/l	98
51) 4-Methyl-2-Pentanone	9.33	43	1473199	109.16	ug/l	100
52) Toluene	9.53	92	694953	21.19	ug/l	98
53) t-1,3-Dichloropropene	9.91	75	364958	20.33	ug/l	100
54) cis-1,3-Dichloropropene	9.08	75	426893	19.90	ug/l	95
55) 1,1,2-Trichloroethane	10.16	97	225829	19.83	ug/l	99
56) Ethyl methacrylate	10.01	69	247513	19.60	ug/l	95
57) 1,3-Dichloropropane	10.37	76	330906	19.69	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.90	63	648126	106.26	ug/l	96
59) 2-Hexanone	10.48	43	1060480	109.08	ug/l	99
60) Dibromochloromethane	10.62	129	279334	20.15	ug/l	97
61) 1,2-Dibromoethane	10.74	107	237712	20.22	ug/l	99
64) Tetrachloroethene	10.23	164	297993	20.22	ug/l	98
65) Chlorobenzene	11.30	112	741008	20.64	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	257259	21.24	ug/l	98
67) Ethyl Benzene	11.41	91	1271942	22.01	ug/l	96
68) m/p-Xylenes	11.56	106	952745	44.64	ug/l	97
69) o-Xylene	11.92	106	455739	21.55	ug/l	99
70) Styrene	11.94	104	773658	21.76	ug/l	96
71) Bromoform	12.11	173	197168	18.95	ug/l	97
73) Isopropylbenzene	12.27	105	1217606	21.24	ug/l	99
74) N-amyl acetate	12.12	43	466785	20.56	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.55	83	265983	20.45	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	271428	20.33	ug/l	100
77) Bromobenzene	12.53	156	353171	21.39	ug/l	95
78) n-propylbenzene	12.63	91	1613570	22.39	ug/l	100
79) 2-Chlorotoluene	12.70	91	847703	20.84	ug/l	98
80) 1,3,5-Trimethylbenzene	12.78	105	987804	22.48	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	77200	19.16	ug/l	99
82) 4-Chlorotoluene	12.80	91	1008264	22.54	ug/l	99
83) tert-Butylbenzene	13.04	119	1089790	21.41	ug/l	93
84) 1,2,4-Trimethylbenzene	13.08	105	1027184	21.91	ug/l	99
85) sec-Butylbenzene	13.21	105	1307262	21.64	ug/l	99
86) p-Isopropyltoluene	13.33	119	1074335	21.99	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	620595	21.61	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	624360	21.44	ug/l	97
89) n-Butylbenzene	13.64	91	1126312	21.47	ug/l	96
90) Hexachloroethane	13.85	117	254478	21.03	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	549025	20.70	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	37362	18.85	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	437591	21.39	ug/l	98
94) Hexachlorobutadiene	14.88	225	294877	21.79	ug/l	99
95) Naphthalene	14.95	128	626452	19.82	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	366509	20.33	ug/l	96

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

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