

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100118\
 Data File : VD060099.D
 Acq On : 1 Oct 2018 16:24
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 10/2/2018 11:37:14 AM

Quant Time: Oct 02 05:48:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:08:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1598506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2257213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1805814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	952202	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	63158	5.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.14%	
35) Dibromofluoromethane	6.30	113	86501	4.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.80%	
50) Toluene-d8	9.44	98	241825	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	
62) 4-Bromofluorobenzene	12.42	95	91865	4.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.84%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.57	85	83404m	5.047	ug/l
3) Chloromethane	1.74	50	73881	4.995	ug/l # 87
4) Vinyl Chloride	1.83	62	61183	5.153	ug/l 96
5) Bromomethane	2.12	94	10180	7.389	ug/l # 78
6) Chloroethane	2.23	64	16893	6.399	ug/l 100
7) Trichlorofluoromethane	2.48	101	72122	5.521	ug/l 94
8) Diethyl Ether	2.80	74	14287	5.139	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.07	101	46803	5.705	ug/l 96
10) Methyl Iodide	3.22	142	38202	4.364	ug/l # 86
11) Tert butyl alcohol	3.95	59	22805	23.065	ug/l 97
12) 1,1-Dichloroethene	3.05	96	36766	5.660	ug/l 93
13) Acrolein	2.96	56	16478	26.976	ug/l 96
14) Allyl chloride	3.51	41	71716	5.248	ug/l 97
15) Acrylonitrile	4.05	53	95369	25.449	ug/l 95
16) Acetone	3.14	43	64054	27.114	ug/l 97
17) Carbon Disulfide	3.29	76	117413	5.258	ug/l 98
18) Methyl Acetate	3.53	43	25584	5.259	ug/l 97
19) Methyl tert-butyl Ether	4.09	73	151846	5.065	ug/l 99
20) Methylene Chloride	3.69	84	149690	7.430	ug/l 97
21) trans-1,2-Dichloroethene	4.06	96	88946	5.211	ug/l 95
22) Diisopropyl ether	4.83	45	326816	5.268	ug/l 99
23) Vinyl Acetate	4.77	43	913237	25.937	ug/l 97
24) 1,1-Dichloroethane	4.73	63	141493	5.051	ug/l 99
25) 2-Butanone	5.60	43	138359	21.709	ug/l 96
26) 2,2-Dichloropropane	5.56	77	114179	5.267	ug/l 100
27) cis-1,2-Dichloroethene	5.57	96	94207	5.280	ug/l 96
28) Bromochloromethane	5.90	49	71013	5.216	ug/l 99
29) Tetrahydrofuran	5.92	42	86114	25.194	ug/l 97
30) Chloroform	6.08	83	146404	5.175	ug/l 98
31) Cyclohexane	6.35	56	157752	5.818	ug/l # 93
32) 1,1,1-Trichloroethane	6.27	97	119063	5.092	ug/l 98
36) 1,1-Dichloropropene	6.49	75	116179	5.261	ug/l 98
37) Ethyl Acetate	5.68	43	74077	4.858	ug/l 98
38) Carbon Tetrachloride	6.47	117	101705	4.959	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	126848	5.062	ug/l	99
40) Benzene	6.77	78	296402	5.259	ug/l	99
41) Methacrylonitrile	5.90	41	42357m	5.220	ug/l	
42) 1,2-Dichloroethane	6.87	62	82647	4.889	ug/l	99
43) Isopropyl Acetate	8.32	43	92324	4.569	ug/l #	100
44) Trichloroethene	7.71	130	88702	5.067	ug/l	96
45) 1,2-Dichloropropane	8.08	63	74351	4.928	ug/l	98
46) Dibromomethane	8.20	93	48160	4.911	ug/l	96
47) Bromodichloromethane	8.47	83	101276	4.778	ug/l	100
48) Methyl methacrylate	8.23	41	52777	4.685	ug/l	95
49) 1,4-Dioxane	8.21	88	10332	92.168	ug/l	90
51) 4-Methyl-2-Pentanone	9.33	43	306288	22.096	ug/l	98
52) Toluene	9.54	92	186233	5.120	ug/l	95
53) t-1,3-Dichloropropene	9.90	75	90587	4.576	ug/l	95
54) cis-1,3-Dichloropropene	9.08	75	112344	4.756	ug/l	94
55) 1,1,2-Trichloroethane	10.16	97	60958	4.832	ug/l	96
56) Ethyl methacrylate	10.02	69	61854	4.448	ug/l	97
57) 1,3-Dichloropropane	10.37	76	91142	4.905	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.91	63	194032	28.294	ug/l	95
59) 2-Hexanone	10.47	43	214434	21.437	ug/l	100
60) Dibromochloromethane	10.63	129	68462	4.498	ug/l	95
61) 1,2-Dibromoethane	10.75	107	61159	4.697	ug/l	99
64) Tetrachloroethene	10.23	164	81400	5.175	ug/l	99
65) Chlorobenzene	11.30	112	202494	5.273	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.40	131	66005	5.109	ug/l	97
67) Ethyl Benzene	11.41	91	349227	5.664	ug/l	99
68) m/p-Xylenes	11.55	106	252561	11.122	ug/l	89
69) o-Xylene	11.93	106	122586	5.413	ug/l	98
70) Styrene	11.95	104	202422	5.323	ug/l	98
71) Bromoform	12.10	173	47362	4.283	ug/l	96
73) Isopropylbenzene	12.27	105	336457	5.438	ug/l	100
74) N-amyl acetate	12.12	43	118321	4.859	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	71475	5.096	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	68200	4.765	ug/l	92
77) Bromobenzene	12.53	156	97342	5.430	ug/l	98
78) n-propylbenzene	12.63	91	435918	5.620	ug/l	98
79) 2-Chlorotoluene	12.69	91	231837	5.305	ug/l	98
80) 1,3,5-Trimethylbenzene	12.78	105	269106	5.677	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	17901	4.151	ug/l	94
82) 4-Chlorotoluene	12.80	91	279993	5.827	ug/l	100
83) tert-Butylbenzene	13.04	119	291291	5.293	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	275179	5.423	ug/l	98
85) sec-Butylbenzene	13.22	105	357723	5.508	ug/l	98
86) p-Isopropyltoluene	13.33	119	291827	5.552	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	169772	5.456	ug/l	99
88) 1,4-Dichlorobenzene	13.38	146	172340	5.465	ug/l	97
89) n-Butylbenzene	13.64	91	302060	5.900	ug/l	100
90) Hexachloroethane	13.85	117	57682	4.438	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	152262	5.929	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	8855	4.133	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	115645	5.215	ug/l	98
94) Hexachlorobutadiene	14.87	225	75044	5.108	ug/l	96
95) Naphthalene	14.96	128	164874	4.821	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	100398	5.169	ug/l	99

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

