

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100118\
 Data File : VD060101.D
 Acq On : 1 Oct 2018 17:21
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 10/2/2018 12:31:12 PM

Quant Time: Oct 02 05:49:42 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	6.38	168	1620933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2240673	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1851819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	971898	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	254850	20.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.38%	
35) Dibromofluoromethane	6.29	113	335863	19.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.30%	
50) Toluene-d8	9.43	98	978736	19.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.90%	
62) 4-Bromofluorobenzene	12.42	95	370897	20.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.57	85	279885m	16.701	ug/l
3) Chloromethane	1.74	50	269793	17.989	ug/l
4) Vinyl Chloride	1.83	62	214962	17.855	ug/l
5) Bromomethane	2.11	94	19450	13.922	ug/l
6) Chloroethane	2.21	64	46685	17.441	ug/l
7) Trichlorofluoromethane	2.47	101	248469	18.759	ug/l
8) Diethyl Ether	2.80	74	55156	19.565	ug/l
9) 1,1,2-Trichlorotrifluoroet	3.06	101	166551	20.022	ug/l
10) Methyl Iodide	3.21	142	167728	18.896	ug/l
11) Tert butyl alcohol	3.95	59	84887	84.667	ug/l
12) 1,1-Dichloroethene	3.04	96	128758	19.548	ug/l
13) Acrolein	2.95	56	52624	84.959	ug/l
14) Allyl chloride	3.50	41	258996	18.691	ug/l
15) Acrylonitrile	4.05	53	376273	99.017	ug/l
16) Acetone	3.14	43	222614	92.928	ug/l
17) Carbon Disulfide	3.27	76	424501	18.746	ug/l
18) Methyl Acetate	3.53	43	91946	18.638	ug/l
19) Methyl tert-butyl Ether	4.09	73	586113	19.281	ug/l
20) Methylene Chloride	3.69	84	398796	19.521	ug/l
21) trans-1,2-Dichloroethene	4.06	96	338501	19.556	ug/l
22) Diisopropyl ether	4.83	45	1222119	19.425	ug/l
23) Vinyl Acetate	4.77	43	3557394	99.636	ug/l
24) 1,1-Dichloroethane	4.72	63	557491	19.627	ug/l
25) 2-Butanone	5.60	43	571402	88.413	ug/l
26) 2,2-Dichloropropane	5.56	77	411310	18.711	ug/l
27) cis-1,2-Dichloroethene	5.57	96	350874	19.394	ug/l
28) Bromochloromethane	5.89	49	271965	19.700	ug/l
29) Tetrahydrofuran	5.93	42	329238	94.991	ug/l
30) Chloroform	6.07	83	553508	19.296	ug/l
31) Cyclohexane	6.33	56	505134	18.370	ug/l
32) 1,1,1-Trichloroethane	6.26	97	454495	19.168	ug/l
36) 1,1-Dichloropropene	6.49	75	419692	19.144	ug/l
37) Ethyl Acetate	5.67	43	287526	18.994	ug/l
38) Carbon Tetrachloride	6.47	117	371979	18.272	ug/l

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	477151	19.183	ug/l	98
40) Benzene	6.77	78	1131918	20.232	ug/l	100
41) Methacrylonitrile	5.91	41	169311m	21.021	ug/l	
42) 1,2-Dichloroethane	6.86	62	315345	18.793	ug/l	100
43) Isopropyl Acetate	8.33	43	370078	18.450	ug/l #	99
44) Trichloroethene	7.71	130	336850	19.385	ug/l	98
45) 1,2-Dichloropropane	8.08	63	284856	19.021	ug/l	97
46) Dibromomethane	8.19	93	191264	19.649	ug/l	94
47) Bromodichloromethane	8.47	83	401571	19.084	ug/l	98
48) Methyl methacrylate	8.22	41	210705	18.843	ug/l	97
49) 1,4-Dioxane	8.21	88	42888	385.411	ug/l	95
51) 4-Methyl-2-Pentanone	9.33	43	1206690	87.694	ug/l	99
52) Toluene	9.53	92	731383	20.255	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	364395	18.543	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	456456	19.467	ug/l	97
55) 1,1,2-Trichloroethane	10.16	97	230849	18.433	ug/l	99
56) Ethyl methacrylate	10.01	69	266810	19.327	ug/l	98
57) 1,3-Dichloropropane	10.37	76	356195	19.312	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.90	63	751345	110.371	ug/l	96
59) 2-Hexanone	10.48	43	854159	86.022	ug/l	99
60) Dibromochloromethane	10.62	129	288851	19.117	ug/l	98
61) 1,2-Dibromoethane	10.74	107	249728	19.319	ug/l	99
64) Tetrachloroethene	10.23	164	316858	19.645	ug/l	96
65) Chlorobenzene	11.30	112	783442	19.896	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.40	131	276179	20.847	ug/l	100
67) Ethyl Benzene	11.41	91	1354333	21.420	ug/l	98
68) m/p-Xylenes	11.55	106	1000476	42.964	ug/l	96
69) o-Xylene	11.92	106	479349	20.641	ug/l	95
70) Styrene	11.94	104	820908	21.052	ug/l	99
71) Bromoform	12.11	173	206486	18.210	ug/l #	97
73) Isopropylbenzene	12.27	105	1286995	20.379	ug/l	99
74) N-amyl acetate	12.12	43	469901	18.905	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.55	83	280127	19.569	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	287354	19.672	ug/l	98
77) Bromobenzene	12.53	156	366335	20.020	ug/l	84
78) n-propylbenzene	12.63	91	1611759	20.358	ug/l	97
79) 2-Chlorotoluene	12.69	91	891787	19.992	ug/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	1026617	21.219	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	75877	17.238	ug/l	98
82) 4-Chlorotoluene	12.80	91	1050397	21.416	ug/l	96
83) tert-Butylbenzene	13.04	119	1162044	20.688	ug/l	98
84) 1,2,4-Trimethylbenzene	13.08	105	1085807	20.966	ug/l	98
85) sec-Butylbenzene	13.21	105	1409916	21.271	ug/l	99
86) p-Isopropyltoluene	13.33	119	1112785	20.743	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	652240	20.537	ug/l	99
88) 1,4-Dichlorobenzene	13.38	146	639664	19.873	ug/l	99
89) n-Butylbenzene	13.64	91	1169299	22.376	ug/l	98
90) Hexachloroethane	13.85	117	246062	18.549	ug/l	67
91) 1,2-Dichlorobenzene	13.66	146	579576	22.112	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.22	75	36473	16.680	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	467215	20.643	ug/l	99
94) Hexachlorobutadiene	14.88	225	308817	20.594	ug/l	97
95) Naphthalene	14.95	128	685688	19.646	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	408925	20.629	ug/l	99

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

