

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092818\
 Data File : VD060092.D
 Acq On : 28 Sep 2018 12:14
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/1/2018 3:58:53 PM

Quant Time: Sep 28 23:25:52 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	6.41	168	1725606	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.46	114	2394237	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.30	117	1915159	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.39	152	982915	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	664537	49.38	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.76%	
35) Dibromofluoromethane	6.33	113	949730	50.77	ug/l	0.03
Spiked Amount	50.000		Recovery	=	101.54%	
50) Toluene-d8	9.47	98	2622780	50.60	ug/l	0.03
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.45	95	973632	49.16	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	840200	46.126	ug/l	98
3) Chloromethane	1.76	50	819534	50.934	ug/l	98
4) Vinyl Chloride	1.86	62	682907	52.797	ug/l	97
5) Bromomethane	2.14	94	98104	64.077	ug/l	91
6) Chloroethane	2.25	64	188790	65.286	ug/l	96
7) Trichlorofluoromethane	2.51	101	803885	56.451	ug/l	97
8) Diethyl Ether	2.82	74	176399	58.272	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.09	101	527031	58.692	ug/l	98
10) Methyl Iodide	3.24	142	589568	61.990	ug/l	93
11) Tert butyl alcohol	3.96	59	231529	213.226	ug/l	96
12) 1,1-Dichloroethene	3.07	96	416175	58.615	ug/l	97
13) Acrolein	2.98	56	142350	211.698	ug/l	99
14) Allyl chloride	3.53	41	856575	57.205	ug/l	97
15) Acrylonitrile	4.08	53	1014416	247.496	ug/l	99
16) Acetone	3.16	43	712953	274.412	ug/l	99
17) Carbon Disulfide	3.31	76	1303304	53.275	ug/l	99
18) Methyl Acetate	3.55	43	332102	62.853	ug/l	99
19) Methyl tert-butyl Ether	4.12	73	1677148	51.123	ug/l	100
20) Methylene Chloride	3.72	84	1002363	54.932	ug/l	99
21) trans-1,2-Dichloroethene	4.10	96	951130	51.047	ug/l	98
22) Diisopropyl ether	4.86	45	3449752	50.507	ug/l	99
23) Vinyl Acetate	4.81	43	9576611	247.491	ug/l	100
24) 1,1-Dichloroethane	4.76	63	1611845	52.587	ug/l	100
25) 2-Butanone	5.63	43	1636719	233.452	ug/l	100
26) 2,2-Dichloropropane	5.59	77	1270020	53.296	ug/l	99
27) cis-1,2-Dichloroethene	5.60	96	1025568	52.621	ug/l	100
28) Bromochloromethane	5.93	49	757929	51.442	ug/l	100
29) Tetrahydrofuran	5.96	42	888085	236.199	ug/l	98
30) Chloroform	6.11	83	1597660	51.399	ug/l	100
31) Cyclohexane	6.37	56	1426249	47.724	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	1329170	51.557	ug/l	99
36) 1,1-Dichloropropene	6.53	75	1171331	49.251	ug/l	99
37) Ethyl Acetate	5.70	43	758311	46.366	ug/l	97
38) Carbon Tetrachloride	6.51	117	1110917	50.038	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	1354987	50.364	ug/l	97
40) Benzene	6.81	78	3151503	51.990	ug/l	100
41) Methacrylonitrile	5.92	41	229971m	26.847	ug/l	
42) 1,2-Dichloroethane	6.91	62	908210	49.899	ug/l	99
43) Isopropyl Acetate	8.36	43	1037877	47.396	ug/l #	99
44) Trichloroethene	7.75	130	971195	51.857	ug/l	99
45) 1,2-Dichloropropane	8.12	63	835431	51.542	ug/l	99
46) Dibromomethane	8.23	93	541484	51.200	ug/l	90
47) Bromodichloromethane	8.50	83	1186207	52.023	ug/l	99
48) Methyl methacrylate	8.26	41	607270	49.793	ug/l	97
49) 1,4-Dioxane	8.24	88	113934	940.570	ug/l	97
51) 4-Methyl-2-Pentanone	9.36	43	3335682	228.683	ug/l	99
52) Toluene	9.56	92	1992345	51.277	ug/l	99
53) t-1,3-Dichloropropene	9.94	75	1072536	50.434	ug/l	99
54) cis-1,3-Dichloropropene	9.12	75	1273672	50.127	ug/l	99
55) 1,1,2-Trichloroethane	10.20	97	656529	48.666	ug/l	98
56) Ethyl methacrylate	10.04	69	753784	50.376	ug/l	98
57) 1,3-Dichloropropane	10.40	76	1020111	51.228	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.94	63	1930691	267.200	ug/l	98
59) 2-Hexanone	10.51	43	2415262	232.043	ug/l	99
60) Dibromochloromethane	10.65	129	848225	51.658	ug/l	99
61) 1,2-Dibromoethane	10.77	107	705349	50.640	ug/l	97
64) Tetrachloroethene	10.27	164	867513	51.340	ug/l	98
65) Chlorobenzene	11.33	112	2216486	53.831	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	748318	53.884	ug/l	97
67) Ethyl Benzene	11.44	91	3529380	53.264	ug/l	99
68) m/p-Xylenes	11.58	106	2682326	109.608	ug/l	98
69) o-Xylene	11.95	106	1293753	53.355	ug/l	96
70) Styrene	11.97	104	2200055	53.961	ug/l	99
71) Bromoform	12.13	173	616853	51.698	ug/l	99
73) Isopropylbenzene	12.30	105	3486655	54.087	ug/l	98
74) N-amyl acetate	12.15	43	1289193	50.488	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	748170	51.160	ug/l	99
76) 1,2,3-Trichloropropane	12.61	75	773232	51.508	ug/l	100
77) Bromobenzene	12.55	156	1002635	53.994	ug/l	91
78) n-propylbenzene	12.65	91	4412860	54.436	ug/l	98
79) 2-Chlorotoluene	12.72	91	2423894	52.976	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	2676528	54.170	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.36	75	235380	51.943	ug/l	95
82) 4-Chlorotoluene	12.83	91	2671139	53.100	ug/l	93
83) tert-Butylbenzene	13.07	119	3140007	54.856	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	2758845	52.323	ug/l	97
85) sec-Butylbenzene	13.24	105	3692081	54.336	ug/l	96
86) p-Isopropyltoluene	13.36	119	2972219	54.083	ug/l	98
87) 1,3-Dichlorobenzene	13.33	146	1771488	54.859	ug/l	97
88) 1,4-Dichlorobenzene	13.41	146	1745952	53.307	ug/l	97
89) n-Butylbenzene	13.67	91	2952301	59.348	ug/l	98
90) Hexachloroethane	13.87	117	763070	56.060	ug/l	90
91) 1,2-Dichlorobenzene	13.68	146	1473548	58.092	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.25	75	109585	49.154	ug/l	59

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.81	180	1266712	55.047	ug/l	99
94) Hexachlorobutadiene	14.90	225	834472	54.820	ug/l	100
95) Naphthalene	14.98	128	1816547	51.115	ug/l	100
96) 1,2,3-Trichlorobenzene	15.13	180	1031888	50.885	ug/l	98

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

