

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD120518\
 Data File : VD060493.D
 Acq On : 5 Dec 2018 15:33
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 12/6/2018 10:52:44 AM

Quant Time: Dec 06 01:00:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 00:38:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1582001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2236849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1753872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	870571	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	790308	69.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.88%	
35) Dibromofluoromethane	6.33	113	1180025	71.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.82%	
50) Toluene-d8	9.46	98	3470253	71.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.04%	
62) 4-Bromofluorobenzene	12.43	95	1188827	67.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	1069948	73.291	ug/l	99
3) Chloromethane	1.77	50	1048015	69.136	ug/l	95
4) Vinyl Chloride	1.87	62	822633	66.601	ug/l	100
5) Bromomethane	2.16	94	219409	73.787	ug/l	90
6) Chloroethane	2.27	64	285612	70.357	ug/l	99
7) Trichlorofluoromethane	2.52	101	1037229	71.101	ug/l	100
8) Diethyl Ether	2.84	74	180557	68.877	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.11	101	663547	70.086	ug/l	98
10) Methyl Iodide	3.25	142	845631	69.211	ug/l	99
11) Tert butyl alcohol	3.98	59	157806	340.943	ug/l	96
12) 1,1-Dichloroethene	3.09	96	535510	69.479	ug/l	94
13) Acrolein	3.00	56	156205	288.906	ug/l	91
14) Allyl chloride	3.55	41	1045076	70.596	ug/l	99
15) Acrylonitrile	4.10	53	902764	334.242	ug/l	96
16) Acetone	3.17	43	618881	316.368	ug/l	99
17) Carbon Disulfide	3.32	76	1812551	72.418	ug/l	98
18) Methyl Acetate	3.57	43	272721	64.362	ug/l	99
19) Methyl tert-butyl Ether	4.13	73	1561201	67.882	ug/l	97
20) Methylene Chloride	3.74	84	1167186	66.411	ug/l	97
21) trans-1,2-Dichloroethene	4.11	96	1231047	71.574	ug/l	98
22) Diisopropyl ether	4.87	45	3780032	68.683	ug/l	96
23) Vinyl Acetate	4.82	43	9377025	341.160	ug/l	100
24) 1,1-Dichloroethane	4.77	63	1970155	69.565	ug/l	100
25) 2-Butanone	5.63	43	1301741	323.717	ug/l	100
26) 2,2-Dichloropropane	5.60	77	1533459	69.986	ug/l	99
27) cis-1,2-Dichloroethene	5.60	96	1262443	70.767	ug/l	97
28) Bromochloromethane	5.93	49	855532	68.469	ug/l	96
29) Tetrahydrofuran	5.96	42	686936	320.463	ug/l	100
30) Chloroform	6.11	83	1986781	70.163	ug/l	100
31) Cyclohexane	6.37	56	1749247	64.876	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	1632530	68.647	ug/l	99
36) 1,1-Dichloropropene	6.53	75	1465469	66.274	ug/l	98
37) Ethyl Acetate	5.71	43	639535	63.150	ug/l	98
38) Carbon Tetrachloride	6.50	117	1374482	67.381	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	1716937	67.701	ug/l	98
40) Benzene	6.80	78	3895315	69.228	ug/l	99
41) Methacrylonitrile	5.94	41	364620m	34.831	ug/l	
42) 1,2-Dichloroethane	6.91	62	1002991	68.506	ug/l	99
43) Isopropyl Acetate	8.35	43	866628	68.706	ug/l #	99
44) Trichloroethene	7.74	130	1194882	69.999	ug/l	100
45) 1,2-Dichloropropane	8.11	63	992854	70.133	ug/l	100
46) Dibromomethane	8.22	93	559769	67.384	ug/l	96
47) Bromodichloromethane	8.49	83	1359416	69.734	ug/l	100
48) Methyl methacrylate	8.25	41	509801	66.265	ug/l	98
49) 1,4-Dioxane	8.23	88	90746	1350.327	ug/l	92
51) 4-Methyl-2-Pentanone	9.35	43	2619154	318.621	ug/l	99
52) Toluene	9.55	92	2476803	68.986	ug/l	100
53) t-1,3-Dichloropropene	9.93	75	1137303	69.361	ug/l	100
54) cis-1,3-Dichloropropene	9.11	75	1474482	69.535	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	667898	64.243	ug/l	97
56) Ethyl methacrylate	10.04	69	669678	70.541	ug/l	99
57) 1,3-Dichloropropane	10.39	76	1063250	67.374	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	1754008	307.065	ug/l	96
59) 2-Hexanone	10.49	43	1847101	317.038	ug/l	99
60) Dibromochloromethane	10.65	129	896045	71.021	ug/l	99
61) 1,2-Dibromoethane	10.76	107	715739	68.816	ug/l	99
64) Tetrachloroethene	10.25	164	1102577	70.223	ug/l	97
65) Chlorobenzene	11.31	112	2658568	70.166	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	819949	66.174	ug/l	98
67) Ethyl Benzene	11.43	91	4173265	64.152	ug/l	100
68) m/p-Xylenes	11.57	106	3175411	132.659	ug/l	96
69) o-Xylene	11.93	106	1568222	67.882	ug/l	97
70) Styrene	11.95	104	2527148	67.340	ug/l	96
71) Bromoform	12.12	173	595356	71.269	ug/l	99
73) Isopropylbenzene	12.28	105	4126956	64.843	ug/l	98
74) N-amyl acetate	12.13	43	1102283	67.948	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	691085	67.088	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	684915	66.046	ug/l	100
77) Bromobenzene	12.54	156	1124989	66.855	ug/l	94
78) n-propylbenzene	12.64	91	5129150	64.985	ug/l	97
79) 2-Chlorotoluene	12.71	91	2801138	64.471	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	3077460	62.736	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.35	75	201252	68.123	ug/l	96
82) 4-Chlorotoluene	12.81	91	3110910	63.976	ug/l	93
83) tert-Butylbenzene	13.05	119	3603941	65.991	ug/l	94
84) 1,2,4-Trimethylbenzene	13.10	105	3274379	66.627	ug/l	99
85) sec-Butylbenzene	13.22	105	4471295	67.056	ug/l	97
86) p-Isopropyltoluene	13.34	119	3559764	66.394	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	1996863	66.765	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	1954071	67.029	ug/l	96
89) n-Butylbenzene	13.65	91	3409045	62.131	ug/l	97
90) Hexachloroethane	13.86	117	936019	72.568	ug/l	88
91) 1,2-Dichlorobenzene	13.67	146	1536757	62.685	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	88099	71.066	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1308544	67.384	ug/l	96
94) Hexachlorobutadiene	14.89	225	947740	65.522	ug/l	99
95) Naphthalene	14.97	128	1638645	68.747	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	1044114	67.282	ug/l	97

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

