

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100418\
 Data File : VD060125.D
 Acq On : 4 Oct 2018 11:17
 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
 10/5/2018 12:20:14 PM

Quant Time: Oct 04 15:36:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1683176	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	2335796	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.28	117	1899073	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	975358	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	662014	51.89	ug/l	0.03
Spiked Amount	50.000		Recovery	=	103.78%	
35) Dibromofluoromethane	6.32	113	893392	50.37	ug/l	0.03
Spiked Amount	50.000		Recovery	=	100.74%	
50) Toluene-d8	9.45	98	2588029	51.17	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.43	95	948876	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	864726	54.615	ug/l	98
3) Chloromethane	1.76	50	784909	54.977	ug/l	99
4) Vinyl Chloride	1.85	62	660355	56.518	ug/l	99
5) Bromomethane	2.14	94	111802	76.207	ug/l	99
6) Chloroethane	2.25	64	192566	60.396	ug/l	97
7) Trichlorofluoromethane	2.51	101	772006	55.182	ug/l	100
8) Diethyl Ether	2.82	74	161792	56.241	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.09	101	502778	57.687	ug/l	97
10) Methyl Iodide	3.24	142	549285	59.429	ug/l	98
11) Tert butyl alcohol	3.96	59	232764	254.377	ug/l	100
12) 1,1-Dichloroethene	3.07	96	400335	58.306	ug/l	92
13) Acrolein	2.98	56	151421	268.442	ug/l	95
14) Allyl chloride	3.53	41	811177	56.883	ug/l	98
15) Acrylonitrile	4.08	53	1024729	270.559	ug/l	98
16) Acetone	3.16	43	681580	294.404	ug/l	99
17) Carbon Disulfide	3.31	76	1258038	54.485	ug/l	99
18) Methyl Acetate	3.55	43	292754	58.834	ug/l	100
19) Methyl tert-butyl Ether	4.12	73	1621782	53.722	ug/l	98
20) Methylene Chloride	3.72	84	946495	52.122	ug/l	99
21) trans-1,2-Dichloroethene	4.09	96	920040	51.883	ug/l	99
22) Diisopropyl ether	4.85	45	3338438	52.421	ug/l	94
23) Vinyl Acetate	4.80	43	9568239	267.285	ug/l	100
24) 1,1-Dichloroethane	4.75	63	1532402	53.069	ug/l	100
25) 2-Butanone	5.62	43	1692799	292.683	ug/l	97
26) 2,2-Dichloropropane	5.59	77	1227232	56.063	ug/l	100
27) cis-1,2-Dichloroethene	5.59	96	988354	52.605	ug/l	94
28) Bromochloromethane	5.92	49	694449	49.490	ug/l	96
29) Tetrahydrofuran	5.95	42	896179	266.761	ug/l	99
30) Chloroform	6.10	83	1574647	53.910	ug/l	99
31) Cyclohexane	6.36	56	1389039	50.252	ug/l	100
32) 1,1,1-Trichloroethane	6.29	97	1282775	53.605	ug/l	98
36) 1,1-Dichloropropene	6.52	75	1156714	51.823	ug/l	98
37) Ethyl Acetate	5.69	43	774651	52.286	ug/l	98
38) Carbon Tetrachloride	6.50	117	1081630	53.391	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1340685	52.864	ug/l	99
40) Benzene	6.80	78	3091479	52.942	ug/l	100
41) Methacrylonitrile	5.92	41	439606m	52.496	ug/l	
42) 1,2-Dichloroethane	6.90	62	892181	53.292	ug/l	99
43) Isopropyl Acetate	8.35	43	1059308	54.348	ug/l #	99
44) Trichloroethene	7.74	130	938854	51.938	ug/l	98
45) 1,2-Dichloropropane	8.11	63	794991	51.994	ug/l	97
46) Dibromomethane	8.21	93	524289	52.963	ug/l	94
47) Bromodichloromethane	8.49	83	1166529	55.306	ug/l	99
48) Methyl methacrylate	8.24	41	592325	53.350	ug/l	99
49) 1,4-Dioxane	8.23	88	111226	1018.170	ug/l	99
51) 4-Methyl-2-Pentanone	9.35	43	3250379	264.391	ug/l	99
52) Toluene	9.55	92	1968107	52.332	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	1050193	55.027	ug/l	98
54) cis-1,3-Dichloropropene	9.10	75	1267084	53.764	ug/l	97
55) 1,1,2-Trichloroethane	10.18	97	629405	51.194	ug/l	98
56) Ethyl methacrylate	10.03	69	730843	53.852	ug/l	97
57) 1,3-Dichloropropane	10.39	76	989330	52.762	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	1827109	242.440	ug/l	97
59) 2-Hexanone	10.49	43	2481054	280.654	ug/l	100
60) Dibromochloromethane	10.64	129	815600	54.068	ug/l	100
61) 1,2-Dibromoethane	10.76	107	691842	52.961	ug/l	99
64) Tetrachloroethene	10.25	164	867459	52.152	ug/l	99
65) Chlorobenzene	11.31	112	2061479	50.177	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	705875	51.503	ug/l	99
67) Ethyl Benzene	11.43	91	3323528	49.930	ug/l	99
68) m/p-Xylenes	11.57	106	2580905	103.774	ug/l	98
69) o-Xylene	11.93	106	1247210	50.699	ug/l	92
70) Styrene	11.95	104	2098908	51.020	ug/l	98
71) Bromoform	12.12	173	611828	55.129	ug/l	97
73) Isopropylbenzene	12.28	105	3370180	52.376	ug/l	99
74) N-amyl acetate	12.14	43	1321142	56.053	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	751531	53.498	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	766537	54.572	ug/l	99
77) Bromobenzene	12.54	156	998099	53.378	ug/l	87
78) n-propylbenzene	12.64	91	4177777	52.288	ug/l	96
79) 2-Chlorotoluene	12.71	91	2343305	52.843	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	2633642	52.883	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.35	75	229332	58.105	ug/l	93
82) 4-Chlorotoluene	12.81	91	2594180	51.722	ug/l	97
83) tert-Butylbenzene	13.05	119	3071297	53.742	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	2641736	50.331	ug/l	98
85) sec-Butylbenzene	13.22	105	3571775	52.859	ug/l	100
86) p-Isopropyltoluene	13.34	119	2948392	53.198	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	1705701	52.358	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	1683197	51.438	ug/l	99
89) n-Butylbenzene	13.65	91	2825425	52.247	ug/l	100
90) Hexachloroethane	13.86	117	725407	56.555	ug/l	67
91) 1,2-Dichlorobenzene	13.67	146	1403279	51.229	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.23	75	107644	57.390	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1213438	52.190	ug/l	98
94) Hexachlorobutadiene	14.89	225	814117	52.677	ug/l	99
95) Naphthalene	14.96	128	1724756	50.045	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	1028968	50.874	ug/l	99

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

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