

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052419\
 Data File : VW010543.D
 Acq On : 24 May 2019 10:49
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 12:01:13 PM

Quant Time: May 25 01:37:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	156609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	256948	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	222491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105687	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	63665	39.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.78%	
35) Dibromofluoromethane	7.88	113	70150	44.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.98%	
50) Toluene-d8	10.32	98	276883	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
62) 4-Bromofluorobenzene	12.62	95	101941	42.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	72872	52.243	ug/l	100
3) Chloromethane	2.21	50	79099	48.071	ug/l	98
4) Vinyl Chloride	2.35	62	88075	46.210	ug/l	99
5) Bromomethane	2.76	94	58962	44.968	ug/l	97
6) Chloroethane	2.91	64	59470	48.606	ug/l	98
7) Trichlorofluoromethane	3.25	101	158257	56.241	ug/l	100
8) Diethyl Ether	3.68	74	42929	48.127	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	98008	56.557	ug/l	98
10) Methyl Iodide	4.27	142	108656	54.857	ug/l	97
11) Tert butyl alcohol	5.17	59	27919	192.015	ug/l	98
12) 1,1-Dichloroethene	4.03	96	90924	54.966	ug/l	97
13) Acrolein	3.89	56	22940	272.798	ug/l	99
14) Allyl chloride	4.67	41	123803	51.704	ug/l	99
15) Acrylonitrile	5.37	53	78028	208.875	ug/l	99
16) Acetone	4.12	43	78852	238.976	ug/l	99
17) Carbon Disulfide	4.37	76	260349	52.766	ug/l	99
18) Methyl Acetate	4.67	43	32555	40.342	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	198976	47.183	ug/l	97
20) Methylene Chloride	4.92	84	91220	46.791	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	102743	54.149	ug/l	99
22) Diisopropyl ether	6.31	45	246199	50.145	ug/l	98
23) Vinyl Acetate	6.25	43	693780	236.559	ug/l	100
24) 1,1-Dichloroethane	6.21	63	157840	53.872	ug/l	98
25) 2-Butanone	7.17	43	103039	218.211	ug/l	97
26) 2,2-Dichloropropane	7.17	77	158134	56.661	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	111389	53.998	ug/l	99
28) Bromochloromethane	7.51	49	46653	44.473	ug/l	92
29) Tetrahydrofuran	7.52	42	62542	195.733	ug/l	98
30) Chloroform	7.67	83	169540	53.646	ug/l	99
31) Cyclohexane	7.95	56	155459	50.653	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	168260	55.705	ug/l	98
36) 1,1-Dichloropropene	8.08	75	139406	58.241	ug/l	99
37) Ethyl Acetate	7.25	43	45026	44.235	ug/l	99
38) Carbon Tetrachloride	8.07	117	153343	59.387	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	187157	58.362	ug/l	96
40) Benzene	8.32	78	382609	57.510	ug/l	100
41) Methacrylonitrile	7.48	41	26516	43.843	ug/l	97
42) 1,2-Dichloroethane	8.40	62	99785	52.478	ug/l	100
43) Isopropyl Acetate	8.42	43	90589	44.549	ug/l	97
44) Trichloroethene	9.09	130	118050	59.769	ug/l	97
45) 1,2-Dichloropropane	9.37	63	87253	55.222	ug/l	98
46) Dibromomethane	9.46	93	48890	52.909	ug/l	97
47) Bromodichloromethane	9.65	83	127281	54.813	ug/l	99
48) Methyl methacrylate	9.43	41	43660	46.931	ug/l	95
49) 1,4-Dioxane	9.45	88	12563	832.273	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	221515	214.977	ug/l	98
52) Toluene	10.39	92	256965	57.514	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	123631	52.569	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	148130	55.152	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	70020	52.695	ug/l	98
56) Ethyl methacrylate	10.65	69	86751	47.337	ug/l	97
57) 1,3-Dichloropropane	10.93	76	115888	52.066	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	164551	202.719	ug/l	97
59) 2-Hexanone	10.97	43	162726	221.383	ug/l	98
60) Dibromochloromethane	11.13	129	91182	54.220	ug/l	100
61) 1,2-Dibromoethane	11.24	107	68549	50.926	ug/l	98
64) Tetrachloroethene	10.86	164	95615	61.648	ug/l	97
65) Chlorobenzene	11.66	112	279205	58.882	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	98796	58.162	ug/l	99
67) Ethyl Benzene	11.73	91	487889	58.277	ug/l	99
68) m/p-Xylenes	11.84	106	382829	116.585	ug/l	99
69) o-Xylene	12.16	106	180669	58.072	ug/l	98
70) Styrene	12.18	104	303907	57.572	ug/l	99
71) Bromoform	12.35	173	47989	51.303	ug/l #	99
73) Isopropylbenzene	12.46	105	497238	59.290	ug/l	100
74) N-amyl acetate	12.27	43	83718	43.562	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	73384	48.108	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	50919m	47.464	ug/l	
77) Bromobenzene	12.75	156	111420	59.368	ug/l	95
78) n-propylbenzene	12.80	91	570745	58.397	ug/l	99
79) 2-Chlorotoluene	12.90	91	325089	57.356	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	409041	57.587	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	24237	47.151	ug/l	98
82) 4-Chlorotoluene	12.99	91	334192	56.806	ug/l	98
83) tert-Butylbenzene	13.21	119	360479	58.100	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	400476	56.610	ug/l	99
85) sec-Butylbenzene	13.38	105	504390	58.091	ug/l	99
86) p-Isopropyltoluene	13.50	119	452600	57.590	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	212844	57.805	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	214022	57.933	ug/l	99
89) n-Butylbenzene	13.83	91	427528	57.192	ug/l	99
90) Hexachloroethane	14.10	117	90112	59.238	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	188344	56.139	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12017	42.367	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	127705	55.945	ug/l	99
94) Hexachlorobutadiene	15.24	225	73919	60.616	ug/l	100
95) Naphthalene	15.37	128	229676	47.932	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	107401	54.680	ug/l	99

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

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