

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011863.D
 Acq On : 12 Aug 2019 19:59
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/13/2019 2:43:10 PM

Quant Time: Aug 13 09:06:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	357979	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	318491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	153893	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	137113	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
35) Dibromofluoromethane	7.88	113	109487	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
50) Toluene-d8	10.32	98	437362	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
62) 4-Bromofluorobenzene	12.62	95	156027	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	54335	44.689	ug/l	96
3) Chloromethane	2.21	50	92726	43.981	ug/l	99
4) Vinyl Chloride	2.36	62	116438	45.873	ug/l	97
5) Bromomethane	2.76	94	59772	42.543	ug/l	99
6) Chloroethane	2.91	64	71681	49.439	ug/l	99
7) Trichlorofluoromethane	3.24	101	63443	55.927	ug/l	99
8) Diethyl Ether	3.68	74	68958	53.615	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	112692	52.369	ug/l	98
10) Methyl Iodide	4.27	142	163948	53.912	ug/l	99
11) Tert butyl alcohol	5.18	59	42808	230.131	ug/l	99
12) 1,1-Dichloroethene	4.04	96	112163	49.366	ug/l	95
13) Acrolein	3.89	56	31734	176.545	ug/l	95
14) Allyl chloride	4.66	41	262478	54.315	ug/l	98
15) Acrylonitrile	5.37	53	172549	268.748	ug/l	99
16) Acetone	4.12	43	156823	196.798	ug/l	96
17) Carbon Disulfide	4.38	76	345893	48.640	ug/l	100
18) Methyl Acetate	4.67	43	101545	56.724	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	197898	54.888	ug/l	100
20) Methylene Chloride	4.91	84	136265	49.582	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	131636	53.739	ug/l	97
22) Diisopropyl ether	6.31	45	505800	55.515	ug/l	99
23) Vinyl Acetate	6.25	43	1542490	269.433	ug/l	100
24) 1,1-Dichloroethane	6.21	63	269440	55.218	ug/l	99
25) 2-Butanone	7.17	43	240880	231.009	ug/l	99
26) 2,2-Dichloropropane	7.17	77	138269	46.076	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	142824	52.977	ug/l	100
28) Bromochloromethane	7.51	49	119730	55.281	ug/l	98
29) Tetrahydrofuran	7.53	42	158231	265.473	ug/l	99
30) Chloroform	7.68	83	246566	54.771	ug/l	99
31) Cyclohexane	7.96	56	234033	49.965	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	190811	55.656	ug/l	99
36) 1,1-Dichloropropene	8.08	75	197913	53.169	ug/l	100
37) Ethyl Acetate	7.25	43	112324	52.450	ug/l	98
38) Carbon Tetrachloride	8.07	117	171645	53.865	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	215179	52.499	ug/l	96
40) Benzene	8.32	78	559428	53.655	ug/l	100
41) Methacrylonitrile	7.48	41	66987	52.327	ug/l	98
42) 1,2-Dichloroethane	8.40	62	177706	54.438	ug/l	100
43) Isopropyl Acetate	8.42	43	210566	53.464	ug/l	99
44) Trichloroethene	9.09	130	133198	53.152	ug/l	99
45) 1,2-Dichloropropane	9.37	63	152235	54.569	ug/l	99
46) Dibromomethane	9.46	93	68551	53.837	ug/l	99
47) Bromodichloromethane	9.64	83	184565	55.258	ug/l	97
48) Methyl methacrylate	9.44	41	101314	53.551	ug/l	98
49) 1,4-Dioxane	9.45	88	19970	1083.170	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	542022	264.582	ug/l	100
52) Toluene	10.39	92	339066	53.850	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	190997	54.742	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	224176	54.038	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	97110	53.752	ug/l	97
56) Ethyl methacrylate	10.65	69	143126	54.139	ug/l	98
57) 1,3-Dichloropropane	10.93	76	184801	54.068	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	394355	328.538	ug/l	99
59) 2-Hexanone	10.97	43	366489	253.373	ug/l	100
60) Dibromochloromethane	11.13	129	110462	55.082	ug/l	99
61) 1,2-Dibromoethane	11.24	107	90329	52.834	ug/l	99
64) Tetrachloroethene	10.86	164	109837	52.966	ug/l	98
65) Chlorobenzene	11.66	112	338036	52.792	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	122933	55.118	ug/l	100
67) Ethyl Benzene	11.73	91	657971	53.954	ug/l	100
68) m/p-Xylenes	11.84	106	476615	107.467	ug/l	100
69) o-Xylene	12.16	106	221695	53.793	ug/l	98
70) Styrene	12.18	104	390470	54.798	ug/l	99
71) Bromoform	12.35	173	62928	55.337	ug/l #	99
73) Isopropylbenzene	12.46	105	619462	53.956	ug/l	100
74) N-amyl acetate	12.27	43	188184	52.355	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	115174	53.333	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	79589m	48.877	ug/l	
77) Bromobenzene	12.74	156	136417	53.758	ug/l	100
78) n-propylbenzene	12.80	91	754621	54.009	ug/l	99
79) 2-Chlorotoluene	12.89	91	430641	53.500	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	523045	54.349	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	37657	53.297	ug/l	98
82) 4-Chlorotoluene	12.99	91	452451	53.573	ug/l	100
83) tert-Butylbenzene	13.21	119	436938	54.293	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	522997	53.947	ug/l	100
85) sec-Butylbenzene	13.38	105	620942	54.074	ug/l	100
86) p-Isopropyltoluene	13.50	119	560924	53.837	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	262579	52.772	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	257331	51.990	ug/l	100
89) n-Butylbenzene	13.82	91	552931	53.179	ug/l	99
90) Hexachloroethane	14.09	117	101666	55.183	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	232504	52.833	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19283	52.363	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	161298	52.006	ug/l	100
94) Hexachlorobutadiene	15.24	225	102188	52.833	ug/l	98
95) Naphthalene	15.37	128	300431	49.473	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	143925	52.940	ug/l	100

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

