

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\
 Data File : VW013493.D
 Acq On : 08 Oct 2019 18:29
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 4:10:23 PM

Quant Time: Oct 09 06:40:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:54:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	335605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	483980	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	419488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	214345	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	141860	54.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.42%	
35) Dibromofluoromethane	7.88	113	144656	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	
50) Toluene-d8	10.32	98	599308	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
62) 4-Bromofluorobenzene	12.62	95	211033	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	61335	55.174	ug/l	97
3) Chloromethane	2.21	50	98162	50.236	ug/l	100
4) Vinyl Chloride	2.36	62	147995	51.347	ug/l	98
5) Bromomethane	2.77	94	93998	54.658	ug/l	97
6) Chloroethane	2.92	64	87118	53.821	ug/l	98
7) Trichlorofluoromethane	3.26	101	68706	50.382	ug/l	92
8) Diethyl Ether	3.68	74	81552	57.777	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	147096	52.336	ug/l	98
10) Methyl Iodide	4.26	142	244381	54.910	ug/l	100
11) Tert butyl alcohol	5.18	59	53290	292.316	ug/l	100
12) 1,1-Dichloroethene	4.04	96	153494	52.697	ug/l	97
13) Acrolein	3.89	56	56408	243.051	ug/l	100
14) Allyl chloride	4.67	41	243297	54.353	ug/l	99
15) Acrylonitrile	5.36	53	184602	279.822	ug/l	99
16) Acetone	4.12	43	163052	270.230	ug/l	100
17) Carbon Disulfide	4.38	76	431596	52.788	ug/l	100
18) Methyl Acetate	4.67	43	89609	51.845	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	256144	58.155	ug/l	100
20) Methylene Chloride	4.91	84	166825	57.772	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	166769	53.881	ug/l	97
22) Diisopropyl ether	6.31	45	480662	57.312	ug/l	99
23) Vinyl Acetate	6.25	43	1466524	291.258	ug/l	98
24) 1,1-Dichloroethane	6.21	63	283194	55.246	ug/l	100
25) 2-Butanone	7.17	43	234820	264.069	ug/l	99
26) 2,2-Dichloropropane	7.17	77	165578	50.106	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	181466	55.409	ug/l	99
28) Bromochloromethane	7.51	49	106856	53.660	ug/l #	99
29) Tetrahydrofuran	7.53	42	151927	279.543	ug/l	99
30) Chloroform	7.68	83	274311	55.323	ug/l	97
31) Cyclohexane	7.95	56	273731	50.452	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	219870	54.550	ug/l	99
36) 1,1-Dichloropropene	8.08	75	227426	51.945	ug/l	100
37) Ethyl Acetate	7.25	43	107429	54.080	ug/l	99
38) Carbon Tetrachloride	8.07	117	202727	52.233	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	300870	53.042	ug/l	99
40) Benzene	8.32	78	657927	53.833	ug/l	99
41) Methacrylonitrile	7.48	41	62977	55.751	ug/l	97
42) 1,2-Dichloroethane	8.40	62	173915	56.299	ug/l	98
43) Isopropyl Acetate	8.42	43	202039	56.296	ug/l	98
44) Trichloroethene	9.09	130	188096	53.949	ug/l	100
45) 1,2-Dichloropropane	9.37	63	164801	56.181	ug/l	95
46) Dibromomethane	9.46	93	81711	55.914	ug/l	100
47) Bromodichloromethane	9.65	83	207524	57.127	ug/l	98
48) Methyl methacrylate	9.43	41	94110	53.236	ug/l	95
49) 1,4-Dioxane	9.46	88	24596	958.538	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	517873	274.472	ug/l	100
52) Toluene	10.39	92	431614	54.825	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	219534	58.159	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	260559	56.976	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	123595	56.346	ug/l	95
56) Ethyl methacrylate	10.65	69	171643	58.099	ug/l	99
57) 1,3-Dichloropropane	10.93	76	214107	56.845	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	389178	279.225	ug/l	99
59) 2-Hexanone	10.97	43	360456	278.600	ug/l	100
60) Dibromochloromethane	11.13	129	147217	58.361	ug/l	98
61) 1,2-Dibromoethane	11.23	107	119103	57.087	ug/l	99
64) Tetrachloroethene	10.86	164	162836	52.742	ug/l	98
65) Chlorobenzene	11.66	112	450718	54.073	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	161825	55.889	ug/l	99
67) Ethyl Benzene	11.73	91	815632	53.537	ug/l	99
68) m/p-Xylenes	11.84	106	632571	109.126	ug/l	100
69) o-Xylene	12.16	106	298186	55.678	ug/l	100
70) Styrene	12.18	104	517419	56.268	ug/l	99
71) Bromoform	12.35	173	90987	57.276	ug/l #	99
73) Isopropylbenzene	12.46	105	816595	53.186	ug/l	99
74) N-amyl acetate	12.27	43	187393	55.806	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	140702	53.765	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	89366m	50.060	ug/l	
77) Bromobenzene	12.74	156	199925	54.935	ug/l	98
78) n-propylbenzene	12.80	91	951026	53.566	ug/l	99
79) 2-Chlorotoluene	12.89	91	531719	53.455	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	688238	53.949	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	47997	54.960	ug/l	100
82) 4-Chlorotoluene	12.99	91	553502	53.612	ug/l	100
83) tert-Butylbenzene	13.21	119	606233	53.509	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	678546	53.780	ug/l	99
85) sec-Butylbenzene	13.38	105	825860	52.757	ug/l	100
86) p-Isopropyltoluene	13.50	119	775429	53.914	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	382915	55.490	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	373918	55.313	ug/l	99
89) n-Butylbenzene	13.82	91	703706	54.162	ug/l	99
90) Hexachloroethane	14.09	117	131980	53.630	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	336845	55.287	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22494	53.916	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	253024	58.761	ug/l	99
94) Hexachlorobutadiene	15.24	225	159860	55.866	ug/l	99
95) Naphthalene	15.36	128	451342	60.595	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	220116	58.459	ug/l	98

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

