

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011330.D
 Acq On : 18 Jul 2019 10:48
 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
 7/19/2019 9:53:50 AM

Quant Time: Jul 19 06:56:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	192604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	315560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	277080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	135989	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	103631	42.82	ug/l	0.00
Spiked Amount			Recovery	=	85.64%	
35) Dibromofluoromethane	7.88	113	82047	43.62	ug/l	0.00
Spiked Amount			Recovery	=	87.24%	
50) Toluene-d8	10.32	98	331474	43.60	ug/l	0.00
Spiked Amount			Recovery	=	87.20%	
62) 4-Bromofluorobenzene	12.62	95	118518	42.53	ug/l	0.00
Spiked Amount			Recovery	=	85.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	63413	44.146	ug/l	97
3) Chloromethane	2.21	50	86513	46.740	ug/l	96
4) Vinyl Chloride	2.36	62	111105	45.861	ug/l	96
5) Bromomethane	2.77	94	59053	48.509	ug/l	94
6) Chloroethane	2.92	64	63187	48.423	ug/l	97
7) Trichlorofluoromethane	3.25	101	41535	48.261	ug/l	98
8) Diethyl Ether	3.68	74	56932	47.809	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	96312	46.720	ug/l	99
10) Methyl Iodide	4.26	142	138047	48.688	ug/l	99
11) Tert butyl alcohol	5.15	59	38531	215.042	ug/l	99
12) 1,1-Dichloroethene	4.04	96	102475	47.893	ug/l	95
13) Acrolein	3.89	56	32213	225.772	ug/l	99
14) Allyl chloride	4.66	41	200684	51.435	ug/l	99
15) Acrylonitrile	5.36	53	145448	239.825	ug/l	99
16) Acetone	4.12	43	184628	317.059	ug/l	98
17) Carbon Disulfide	4.38	76	306109	47.190	ug/l	99
18) Methyl Acetate	4.67	43	68375	41.037	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	157023	48.366	ug/l	99
20) Methylene Chloride	4.92	84	119720	52.116	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	107523	48.362	ug/l	94
22) Diisopropyl ether	6.31	45	405268	48.293	ug/l	99
23) Vinyl Acetate	6.24	43	1348386	259.630	ug/l	100
24) 1,1-Dichloroethane	6.21	63	215323	48.863	ug/l	99
25) 2-Butanone	7.17	43	245688	268.782	ug/l	99
26) 2,2-Dichloropropane	7.16	77	116255	50.752	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	117109	48.830	ug/l	98
28) Bromochloromethane	7.51	49	95388	47.605	ug/l	100
29) Tetrahydrofuran	7.52	42	139165	232.186	ug/l	100
30) Chloroform	7.67	83	196932	48.255	ug/l	99
31) Cyclohexane	7.95	56	213530	45.547	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	149577	48.182	ug/l	99
36) 1,1-Dichloropropene	8.08	75	162099	48.238	ug/l	100
37) Ethyl Acetate	7.24	43	96846	47.967	ug/l	99
38) Carbon Tetrachloride	8.06	117	137986	48.438	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	195529	48.006	ug/l	97
40) Benzene	8.32	78	452633	48.739	ug/l	98
41) Methacrylonitrile	7.48	41	54853	47.502	ug/l	97
42) 1,2-Dichloroethane	8.40	62	144756	48.050	ug/l	100
43) Isopropyl Acetate	8.42	43	178886	46.928	ug/l	100
44) Trichloroethene	9.09	130	109021	48.783	ug/l	98
45) 1,2-Dichloropropane	9.37	63	122672	48.779	ug/l	98
46) Dibromomethane	9.46	93	57085	48.322	ug/l	98
47) Bromodichloromethane	9.64	83	148720	49.201	ug/l	100
48) Methyl methacrylate	9.43	41	86785	47.323	ug/l	99
49) 1,4-Dioxane	9.44	88	17172	870.840	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	474794	238.442	ug/l	100
52) Toluene	10.38	92	277269	49.217	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	155457	48.317	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	185180	48.897	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	80487	48.025	ug/l	97
56) Ethyl methacrylate	10.65	69	121225	47.510	ug/l	99
57) 1,3-Dichloropropane	10.93	76	153165	48.329	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	240217	203.073	ug/l	100
59) 2-Hexanone	10.97	43	352283	255.107	ug/l	99
60) Dibromochloromethane	11.13	129	89620	48.765	ug/l	98
61) 1,2-Dibromoethane	11.23	107	76599	48.251	ug/l	98
64) Tetrachloroethene	10.86	164	87678	46.895	ug/l	99
65) Chlorobenzene	11.66	112	278691	49.472	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	97810	49.312	ug/l	98
67) Ethyl Benzene	11.73	91	535126	49.621	ug/l	99
68) m/p-Xylenes	11.84	106	391145	100.237	ug/l	99
69) o-Xylene	12.16	106	180936	49.196	ug/l	100
70) Styrene	12.18	104	317433	50.010	ug/l	99
71) Bromoform	12.35	173	49436	46.877	ug/l #	99
73) Isopropylbenzene	12.46	105	500805	49.264	ug/l	100
74) N-amyl acetate	12.27	43	165854	46.845	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	98210	47.130	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	68003m	43.272	ug/l	
77) Bromobenzene	12.75	156	110600	48.480	ug/l	99
78) n-propylbenzene	12.80	91	620413	49.543	ug/l	100
79) 2-Chlorotoluene	12.89	91	353342	49.033	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	425206	49.235	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	30925	44.509	ug/l	98
82) 4-Chlorotoluene	12.99	91	367086	48.908	ug/l	100
83) tert-Butylbenzene	13.21	119	356786	49.536	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	429862	49.570	ug/l	99
85) sec-Butylbenzene	13.38	105	511874	49.252	ug/l	100
86) p-Isopropyltoluene	13.50	119	464041	49.781	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	217065	49.453	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	214455	48.520	ug/l	99
89) n-Butylbenzene	13.82	91	467661	50.291	ug/l	99
90) Hexachloroethane	14.10	117	81255	47.702	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	193012	48.470	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16382	44.321	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	135049	49.239	ug/l	99
94) Hexachlorobutadiene	15.24	225	81266	48.261	ug/l	99
95) Naphthalene	15.37	128	251059	47.767	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	119509	49.371	ug/l	99

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

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