

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011048.D
 Acq On : 28 Jun 2019 06:29
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/28/2019 10:27:04 AM

Quant Time: Jun 28 08:55:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	173118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	311058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	290998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	142795	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	135977	60.08	ug/l	0.00
Spiked Amount			Recovery	=	120.16%	
35) Dibromofluoromethane	7.88	113	99237	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
50) Toluene-d8	10.32	98	394178	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
62) 4-Bromofluorobenzene	12.61	95	145743	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	50758	38.894	ug/l	97
3) Chloromethane	2.21	50	83141	47.523	ug/l	96
4) Vinyl Chloride	2.35	62	98959	43.443	ug/l	98
5) Bromomethane	2.76	94	53626	47.296	ug/l	99
6) Chloroethane	2.91	64	56910	47.387	ug/l	99
7) Trichlorofluoromethane	3.24	101	25460	38.034	ug/l	88
8) Diethyl Ether	3.67	74	61610	58.115	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	82744	43.951	ug/l	100
10) Methyl Iodide	4.26	142	133862	50.821	ug/l	99
11) Tert butyl alcohol	5.17	59	45602	277.443	ug/l	98
12) 1,1-Dichloroethene	4.04	96	89566	45.705	ug/l	94
13) Acrolein	3.88	56	17209	134.264	ug/l	98
14) Allyl chloride	4.65	41	149492	47.397	ug/l	99
15) Acrylonitrile	5.35	53	162937	312.106	ug/l	100
16) Acetone	4.12	43	148862	269.476	ug/l	98
17) Carbon Disulfide	4.38	76	251400	45.220	ug/l	100
18) Methyl Acetate	4.66	43	94670	66.159	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	166739	60.116	ug/l	95
20) Methylene Chloride	4.92	84	115058	51.263	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	100108	49.575	ug/l	99
22) Diisopropyl ether	6.31	45	432141	56.936	ug/l	96
23) Vinyl Acetate	6.24	43	1241111	265.388	ug/l	99
24) 1,1-Dichloroethane	6.21	63	209971	52.410	ug/l	100
25) 2-Butanone	7.16	43	257363	306.498	ug/l	100
26) 2,2-Dichloropropane	7.16	77	74540	35.835	ug/l	95
27) cis-1,2-Dichloroethene	7.16	96	117988	54.267	ug/l	96
28) Bromochloromethane	7.51	49	103659	55.580	ug/l	99
29) Tetrahydrofuran	7.52	42	170913	326.973	ug/l	99
30) Chloroform	7.67	83	197464	54.253	ug/l	96
31) Cyclohexane	7.95	56	183149	42.308	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	133518	49.091	ug/l	99
36) 1,1-Dichloropropene	8.08	75	144928	43.349	ug/l	100
37) Ethyl Acetate	7.25	43	110960	57.050	ug/l	97
38) Carbon Tetrachloride	8.06	117	118743	43.128	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	168136	40.864	ug/l	99
40) Benzene	8.32	78	447334	48.647	ug/l	100
41) Methacrylonitrile	7.48	41	63357	53.542	ug/l	95
42) 1,2-Dichloroethane	8.40	62	159835	53.012	ug/l	100
43) Isopropyl Acetate	8.42	43	211992	57.617	ug/l	99
44) Trichloroethene	9.09	130	104491	47.018	ug/l	94
45) 1,2-Dichloropropane	9.37	63	128659	51.523	ug/l	98
46) Dibromomethane	9.46	93	62796	53.770	ug/l	99
47) Bromodichloromethane	9.64	83	151325	52.335	ug/l	99
48) Methyl methacrylate	9.43	41	103192	57.843	ug/l	97
49) 1,4-Dioxane	9.44	88	22983	1170.434	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	575922	297.362	ug/l	100
52) Toluene	10.38	92	275507	48.937	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	151858	50.422	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	179877	50.068	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	89122	54.014	ug/l	98
56) Ethyl methacrylate	10.65	69	144238	58.378	ug/l	99
57) 1,3-Dichloropropane	10.93	76	169896	54.132	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	327531	261.997	ug/l	100
59) 2-Hexanone	10.97	43	401171	297.022	ug/l	100
60) Dibromochloromethane	11.13	129	94103	54.387	ug/l	99
61) 1,2-Dibromoethane	11.23	107	85163	55.134	ug/l	100
64) Tetrachloroethene	10.86	164	118361	59.104	ug/l	98
65) Chlorobenzene	11.66	112	285071	47.857	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	102325	50.595	ug/l	99
67) Ethyl Benzene	11.73	91	526431	46.142	ug/l	100
68) m/p-Xylenes	11.84	106	381543	92.163	ug/l	99
69) o-Xylene	12.16	106	184790	47.923	ug/l	99
70) Styrene	12.18	104	329870	49.230	ug/l	100
71) Bromoform	12.35	173	54042	54.812	ug/l #	100
73) Isopropylbenzene	12.46	105	490728	45.874	ug/l	99
74) N-amyl acetate	12.27	43	196754	54.767	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	112823	53.708	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	80802m	53.598	ug/l	
77) Bromobenzene	12.75	156	117177	49.835	ug/l	100
78) n-propylbenzene	12.80	91	595745	44.972	ug/l	99
79) 2-Chlorotoluene	12.89	91	357351	47.218	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	426325	47.020	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	29043	41.730	ug/l	98
82) 4-Chlorotoluene	12.99	91	372208	47.193	ug/l	100
83) tert-Butylbenzene	13.21	119	343899	45.484	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	434247	47.384	ug/l	100
85) sec-Butylbenzene	13.38	105	492377	44.829	ug/l	100
86) p-Isopropyltoluene	13.50	119	444955	45.018	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	220504	47.409	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	222935	48.016	ug/l	98
89) n-Butylbenzene	13.82	91	432004	43.002	ug/l	100
90) Hexachloroethane	14.10	117	78942	46.679	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	208678	49.954	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20214	56.620	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	140716	47.877	ug/l	98
94) Hexachlorobutadiene	15.24	225	77588	43.524	ug/l	99
95) Naphthalene	15.37	128	317093	57.435	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	131291	50.026	ug/l	99

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

