

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011025.D
 Acq On : 27 Jun 2019 17:16
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 6/28/2019 10:25:13 AM

Quant Time: Jun 28 01:55:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:35:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	226716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	371391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	341290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165371	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	418721	149.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.90%	
35) Dibromofluoromethane	7.88	113	328146	156.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.00%	
50) Toluene-d8	10.32	98	1361526	148.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.16%	
62) 4-Bromofluorobenzene	12.62	95	504397	150.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	246154	119.589	ug/l	98
3) Chloromethane	2.21	50	339055	114.088	ug/l	97
4) Vinyl Chloride	2.36	62	405849	140.458	ug/l	100
5) Bromomethane	2.76	94	204938	130.900	ug/l	99
6) Chloroethane	2.91	64	230134	135.790	ug/l	100
7) Trichlorofluoromethane	3.24	101	135617	41.587	ug/l	90
8) Diethyl Ether	3.67	74	203428	152.693	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	350944	152.495	ug/l	100
10) Methyl Iodide	4.27	142	511599	231.745	ug/l	99
11) Tert butyl alcohol	5.17	59	154886	712.486	ug/l	98
12) 1,1-Dichloroethene	4.04	96	377299	167.108	ug/l	96
13) Acrolein	3.89	56	113643	1091.508	ug/l	99
14) Allyl chloride	4.66	41	607059	128.187	ug/l	98
15) Acrylonitrile	5.36	53	513107	782.607	ug/l	100
16) Acetone	4.12	43	535625	746.563	ug/l	99
17) Carbon Disulfide	4.38	76	1126528	159.113	ug/l	100
18) Methyl Acetate	4.66	43	267715	168.295	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	517933	87.562	ug/l	95
20) Methylene Chloride	4.92	84	386975	150.832	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	386364	153.923	ug/l	99
22) Diisopropyl ether	6.31	45	1448478	148.745	ug/l	97
23) Vinyl Acetate	6.25	43	4831513	815.538	ug/l	100
24) 1,1-Dichloroethane	6.21	63	769710	156.345	ug/l	100
25) 2-Butanone	7.16	43	832958	824.654	ug/l	99
26) 2,2-Dichloropropane	7.16	77	352970	94.512	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	420445	152.470	ug/l	98
28) Bromochloromethane	7.51	49	344399	152.811	ug/l	99
29) Tetrahydrofuran	7.52	42	522096	815.795	ug/l	99
30) Chloroform	7.67	83	692967	153.976	ug/l	99
31) Cyclohexane	7.95	56	773977	142.147	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	512335	133.578	ug/l	99
36) 1,1-Dichloropropene	8.08	75	581360	151.355	ug/l	99
37) Ethyl Acetate	7.25	43	347303	160.874	ug/l	99
38) Carbon Tetrachloride	8.06	117	492879	150.087	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	736665	152.064	ug/l	98
40) Benzene	8.32	78	1596810	152.091	ug/l	98
41) Methacrylonitrile	7.48	41	225934	175.216	ug/l	98
42) 1,2-Dichloroethane	8.40	62	523965	156.667	ug/l	99
43) Isopropyl Acetate	8.42	43	684244	165.168	ug/l	99
44) Trichloroethene	9.09	130	386931	149.960	ug/l	99
45) 1,2-Dichloropropane	9.37	63	441316	158.425	ug/l	99
46) Dibromomethane	9.46	93	205444	158.415	ug/l	100
47) Bromodichloromethane	9.64	83	540059	162.056	ug/l	100
48) Methyl methacrylate	9.43	41	338594	169.486	ug/l	99
49) 1,4-Dioxane	9.44	88	72654	3477.016	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	1792296	840.429	ug/l	99
52) Toluene	10.38	92	996786	154.514	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	594712	168.625	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	688769	165.528	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	292048	156.546	ug/l	99
56) Ethyl methacrylate	10.65	69	479112	167.654	ug/l	99
57) 1,3-Dichloropropane	10.93	76	562574	160.104	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1141663	766.946	ug/l	99
59) 2-Hexanone	10.97	43	1294524	844.426	ug/l	99
60) Dibromochloromethane	11.13	129	336870	164.869	ug/l	99
61) 1,2-Dibromoethane	11.23	107	281871	160.055	ug/l	100
64) Tetrachloroethene	10.86	164	341293	149.799	ug/l	95
65) Chlorobenzene	11.66	112	1013859	149.932	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	359789	154.602	ug/l	99
67) Ethyl Benzene	11.73	91	1974239	151.896	ug/l	99
68) m/p-Xylenes	11.84	106	1425867	305.484	ug/l	99
69) o-Xylene	12.16	106	676090	153.164	ug/l	100
70) Styrene	12.18	104	1191880	155.335	ug/l	100
71) Bromoform	12.35	173	193377	161.262	ug/l #	98
73) Isopropylbenzene	12.46	105	1867958	150.806	ug/l	100
74) N-amyl acetate	12.27	43	680233	167.420	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	367179	154.528	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	262755m	150.718	ug/l	
77) Bromobenzene	12.75	156	407709	150.904	ug/l	100
78) n-propylbenzene	12.80	91	2285336	152.182	ug/l	99
79) 2-Chlorotoluene	12.90	91	1305831	152.216	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1569688	153.656	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	129579	172.182	ug/l	93
82) 4-Chlorotoluene	12.99	91	1352380	152.516	ug/l	100
83) tert-Butylbenzene	13.21	119	1316014	152.457	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1585568	154.256	ug/l	100
85) sec-Butylbenzene	13.38	105	1897263	151.075	ug/l	100
86) p-Isopropyltoluene	13.50	119	1713022	152.378	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	788602	150.782	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	780139	150.047	ug/l	98
89) n-Butylbenzene	13.82	91	1735138	154.264	ug/l	99
90) Hexachloroethane	14.10	117	316030	158.440	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	707912	149.818	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	64745	157.830	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	509367	153.709	ug/l	99
94) Hexachlorobutadiene	15.24	225	301115	145.770	ug/l	98
95) Naphthalene	15.37	128	1010817	165.979	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	451308	159.169	ug/l	98

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

