

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092519\
 Data File : VW013296.D
 Acq On : 25 Sep 2019 17:11
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 3:33:21 PM

Quant Time: Sep 25 17:46:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	341139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	493587	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	430491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	220150	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	138300	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
35) Dibromofluoromethane	7.88	113	138654	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	10.32	98	570679	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
62) 4-Bromofluorobenzene	12.62	95	198817	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	97561	49.578	ug/l	98
3) Chloromethane	2.21	50	106684	42.175	ug/l	99
4) Vinyl Chloride	2.36	62	146398	44.892	ug/l	99
5) Bromomethane	2.76	94	87035	42.114	ug/l	88
6) Chloroethane	2.90	64	86896	45.205	ug/l	95
7) Trichlorofluoromethane	3.25	101	80500	42.809	ug/l	99
8) Diethyl Ether	3.68	74	78552	48.906	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	139003	45.404	ug/l	99
10) Methyl Iodide	4.26	142	222427	46.861	ug/l	99
11) Tert butyl alcohol	5.18	59	52252	261.159	ug/l	99
12) 1,1-Dichloroethene	4.03	96	145995	46.051	ug/l	97
13) Acrolein	3.89	56	33454	208.731	ug/l	98
14) Allyl chloride	4.66	41	241663	47.897	ug/l	98
15) Acrylonitrile	5.36	53	179125	258.377	ug/l	99
16) Acetone	4.12	43	150085	239.039	ug/l	95
17) Carbon Disulfide	4.38	76	408505	44.581	ug/l	98
18) Methyl Acetate	4.67	43	102443	58.044	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	235738	48.518	ug/l	100
20) Methylene Chloride	4.91	84	157489	48.986	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	161408	47.106	ug/l	99
22) Diisopropyl ether	6.31	45	466468	48.619	ug/l	98
23) Vinyl Acetate	6.25	43	1371986	241.041	ug/l	99
24) 1,1-Dichloroethane	6.21	63	272176	47.012	ug/l	99
25) 2-Butanone	7.17	43	228383	242.308	ug/l	94
26) 2,2-Dichloropropane	7.16	77	156885	44.953	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	174115	48.150	ug/l	98
28) Bromochloromethane	7.51	49	117581	52.916	ug/l #	97
29) Tetrahydrofuran	7.52	42	149158	258.048	ug/l	99
30) Chloroform	7.67	83	264547	46.672	ug/l	97
31) Cyclohexane	7.95	56	265699	44.026	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	215378	46.915	ug/l	99
36) 1,1-Dichloropropene	8.07	75	222992	46.644	ug/l	99
37) Ethyl Acetate	7.24	43	99985	49.209	ug/l	99
38) Carbon Tetrachloride	8.06	117	200582	46.804	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	278301	45.298	ug/l	98
40) Benzene	8.32	78	635256	47.639	ug/l	100
41) Methacrylonitrile	7.48	41	63709	52.537	ug/l	96
42) 1,2-Dichloroethane	8.40	62	169475	47.278	ug/l	99
43) Isopropyl Acetate	8.42	43	189316	48.615	ug/l	98
44) Trichloroethene	9.09	130	173583	46.396	ug/l	95
45) 1,2-Dichloropropane	9.37	63	154681	47.512	ug/l	100
46) Dibromomethane	9.46	93	77460	49.007	ug/l	99
47) Bromodichloromethane	9.64	83	192315	47.817	ug/l	97
48) Methyl methacrylate	9.43	41	97298	53.136	ug/l	94
49) 1,4-Dioxane	9.45	88	25072	1056.744	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	488536	250.245	ug/l	99
52) Toluene	10.38	92	404679	47.352	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	200762	48.586	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	242814	48.330	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	114525	48.477	ug/l	98
56) Ethyl methacrylate	10.64	69	158760	51.348	ug/l	98
57) 1,3-Dichloropropane	10.93	76	201932	48.981	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	381472	266.512	ug/l	99
59) 2-Hexanone	10.97	43	338965	252.370	ug/l	99
60) Dibromochloromethane	11.13	129	132522	49.401	ug/l	99
61) 1,2-Dibromoethane	11.23	107	110004	48.973	ug/l	100
64) Tetrachloroethene	10.86	164	152390	46.655	ug/l	98
65) Chlorobenzene	11.66	112	425422	47.324	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	148326	48.297	ug/l	100
67) Ethyl Benzene	11.73	91	765341	46.988	ug/l	99
68) m/p-Xylenes	11.84	106	587469	94.650	ug/l	99
69) o-Xylene	12.16	106	270804	46.929	ug/l	100
70) Styrene	12.18	104	481986	48.652	ug/l	99
71) Bromoform	12.35	173	78593	48.440	ug/l #	97
73) Isopropylbenzene	12.46	105	756287	46.504	ug/l	100
74) N-amyl acetate	12.27	43	171936	47.645	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	130259	47.893	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	102071m	52.500	ug/l	
77) Bromobenzene	12.74	156	180973	46.960	ug/l	99
78) n-propylbenzene	12.80	91	875853	46.010	ug/l	100
79) 2-Chlorotoluene	12.89	91	494271	46.347	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	632146	46.242	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	43451	50.149	ug/l	96
82) 4-Chlorotoluene	12.99	91	514447	45.744	ug/l	99
83) tert-Butylbenzene	13.21	119	558879	46.578	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	628396	46.194	ug/l	99
85) sec-Butylbenzene	13.38	105	757057	45.764	ug/l	99
86) p-Isopropyltoluene	13.50	119	707135	46.088	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	339383	45.758	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	336932	46.319	ug/l	99
89) n-Butylbenzene	13.82	91	639780	45.666	ug/l	99
90) Hexachloroethane	14.09	117	119117	46.213	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	302901	47.206	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20644	49.624	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	218021	47.417	ug/l	99
94) Hexachlorobutadiene	15.24	225	144349	45.888	ug/l	99
95) Naphthalene	15.36	128	388090	51.607	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	192025	48.333	ug/l	99

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

