

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090819\
 Data File : VW012786.D
 Acq On : 08 Sep 2019 23:04
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 11:24:40 AM

Quant Time: Sep 09 07:18:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	179243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	256986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	220555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110369	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	97221	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
35) Dibromofluoromethane	7.88	113	70892	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	
50) Toluene-d8	10.32	98	283351	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
62) 4-Bromofluorobenzene	12.62	95	98935	45.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	45456	46.779	ug/l	99
3) Chloromethane	2.21	50	53875	45.621	ug/l	100
4) Vinyl Chloride	2.35	62	71076	49.087	ug/l	98
5) Bromomethane	2.78	94	41420	52.679	ug/l	97
6) Chloroethane	2.92	64	43305	50.118	ug/l	92
7) Trichlorofluoromethane	3.25	101	48723	48.762	ug/l	99
8) Diethyl Ether	3.68	74	42455	50.553	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	80192	51.141	ug/l	97
10) Methyl Iodide	4.27	142	94537	47.892	ug/l	97
11) Tert butyl alcohol	5.20	59	41501	270.840	ug/l	97
12) 1,1-Dichloroethene	4.04	96	70866	47.875	ug/l	98
13) Acrolein	3.89	56	42095	258.877	ug/l	100
14) Allyl chloride	4.66	41	137585	44.932	ug/l	97
15) Acrylonitrile	5.37	53	131994	269.095	ug/l	98
16) Acetone	4.13	43	130718	239.416	ug/l	98
17) Carbon Disulfide	4.38	76	143680	45.729	ug/l	100
18) Methyl Acetate	4.67	43	66936	52.254	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	157131	53.526	ug/l	95
20) Methylene Chloride	4.92	84	78535	45.977	ug/l	89
21) trans-1,2-Dichloroethene	5.42	96	74276	49.178	ug/l	91
22) Diisopropyl ether	6.31	45	294237	48.448	ug/l	94
23) Vinyl Acetate	6.25	43	983315	255.482	ug/l	100
24) 1,1-Dichloroethane	6.21	63	164044	50.166	ug/l	99
25) 2-Butanone	7.17	43	188737	235.971	ug/l	100
26) 2,2-Dichloropropane	7.16	77	98730	47.803	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	86591	49.445	ug/l	99
28) Bromochloromethane	7.51	49	72979	48.603	ug/l	92
29) Tetrahydrofuran	7.53	42	118125	267.915	ug/l	97
30) Chloroform	7.67	83	163187	50.354	ug/l	97
31) Cyclohexane	7.95	56	135352	45.977	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	138817	52.843	ug/l	99
36) 1,1-Dichloropropene	8.08	75	120977	52.981	ug/l	98
37) Ethyl Acetate	7.25	43	82610	56.753	ug/l	98
38) Carbon Tetrachloride	8.07	117	127862	56.806	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	134839	52.578	ug/l	97
40) Benzene	8.32	78	325937	51.448	ug/l	99
41) Methacrylonitrile	7.48	41	50443	50.904	ug/l	96
42) 1,2-Dichloroethane	8.40	62	123919	55.578	ug/l	99
43) Isopropyl Acetate	8.42	43	154198	55.915	ug/l	99
44) Trichloroethene	9.09	130	88227	54.026	ug/l	92
45) 1,2-Dichloropropane	9.37	63	89012	50.658	ug/l	100
46) Dibromomethane	9.46	93	45964	55.241	ug/l	97
47) Bromodichloromethane	9.64	83	122428	53.481	ug/l	99
48) Methyl methacrylate	9.43	41	72900	55.316	ug/l	98
49) 1,4-Dioxane	9.47	88	18369	1117.636	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	418058	288.902	ug/l	99
52) Toluene	10.38	92	203088	51.361	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	124468	52.877	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	136851	51.249	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	68982	55.376	ug/l	98
56) Ethyl methacrylate	10.64	69	103551	56.789	ug/l	98
57) 1,3-Dichloropropane	10.93	76	124215	53.901	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	277880	287.056	ug/l	97
59) 2-Hexanone	10.97	43	291417	275.651	ug/l	99
60) Dibromochloromethane	11.13	129	82180	56.094	ug/l	99
61) 1,2-Dibromoethane	11.23	107	64075	56.105	ug/l	99
64) Tetrachloroethene	10.86	164	81977	61.256	ug/l	98
65) Chlorobenzene	11.66	112	217618	52.204	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	85253	54.917	ug/l	99
67) Ethyl Benzene	11.73	91	419867	53.683	ug/l	98
68) m/p-Xylenes	11.84	106	306294	108.495	ug/l	99
69) o-Xylene	12.16	106	144148	54.122	ug/l	98
70) Styrene	12.18	104	252715	53.696	ug/l	99
71) Bromoform	12.35	173	51011	59.144	ug/l #	100
73) Isopropylbenzene	12.46	105	422025	53.313	ug/l	99
74) N-amyl acetate	12.27	43	137391	54.680	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	86931	54.682	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	59704m	52.902	ug/l	
77) Bromobenzene	12.74	156	94664	52.784	ug/l	98
78) n-propylbenzene	12.80	91	498192	52.621	ug/l	100
79) 2-Chlorotoluene	12.89	91	280175	51.550	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	355296	53.265	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	28139	52.736	ug/l	99
82) 4-Chlorotoluene	12.99	91	293384	51.032	ug/l	99
83) tert-Butylbenzene	13.21	119	315757	53.537	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	348403	51.836	ug/l	99
85) sec-Butylbenzene	13.38	105	437282	53.430	ug/l	99
86) p-Isopropyltoluene	13.49	119	396165	52.994	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	179543	50.933	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	177457	50.591	ug/l	99
89) n-Butylbenzene	13.82	91	367478	50.634	ug/l	99
90) Hexachloroethane	14.09	117	67481	51.708	ug/l	92
91) 1,2-Dichlorobenzene	13.87	146	164564	51.867	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	16844	57.897	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	113477	51.371	ug/l	98
94) Hexachlorobutadiene	15.24	225	78874	51.586	ug/l	98
95) Naphthalene	15.36	128	232070	50.107	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	102410	52.522	ug/l	99

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

