

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090419\
 Data File : VW012609.D
 Acq On : 05 Sep 2019 00:06
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/7/2019 12:46:14 AM

Quant Time: Sep 05 07:34:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	214834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	346563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	311329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	152756	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	137515	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	
35) Dibromofluoromethane	7.88	113	108387	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	10.32	98	407154	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.62	95	150673	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	58867	44.501	ug/l	100
3) Chloromethane	2.21	50	88291	43.081	ug/l	100
4) Vinyl Chloride	2.36	62	100857	40.208	ug/l	99
5) Bromomethane	2.77	94	61000	48.018	ug/l	97
6) Chloroethane	2.92	64	62724	44.327	ug/l	100
7) Trichlorofluoromethane	3.25	101	59926	47.578	ug/l	99
8) Diethyl Ether	3.68	74	63869	53.422	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	105334	49.199	ug/l	98
10) Methyl Iodide	4.27	142	153492	52.987	ug/l	98
11) Tert butyl alcohol	5.18	59	46237	300.847	ug/l	100
12) 1,1-Dichloroethene	4.04	96	104680	48.578	ug/l	100
13) Acrolein	3.89	56	41774	288.752	ug/l	96
14) Allyl chloride	4.67	41	228414	49.582	ug/l	98
15) Acrylonitrile	5.37	53	167771	283.117	ug/l	99
16) Acetone	4.12	43	152501	233.604	ug/l	96
17) Carbon Disulfide	4.38	76	290178	44.557	ug/l	98
18) Methyl Acetate	4.67	43	91292	56.461	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	208656	59.876	ug/l	100
20) Methylene Chloride	4.91	84	127173	51.531	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	116109	50.246	ug/l	94
22) Diisopropyl ether	6.31	45	466146	54.589	ug/l	99
23) Vinyl Acetate	6.25	43	1467934	279.332	ug/l	99
24) 1,1-Dichloroethane	6.21	63	249105	53.577	ug/l	100
25) 2-Butanone	7.17	43	229868	259.122	ug/l	96
26) 2,2-Dichloropropane	7.16	77	132830	50.474	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	133983	54.269	ug/l	100
28) Bromochloromethane	7.51	49	111051	54.801	ug/l	94
29) Tetrahydrofuran	7.52	42	149545	280.981	ug/l	97
30) Chloroform	7.67	83	238453	56.057	ug/l	97
31) Cyclohexane	7.95	56	195113	42.416	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	186664	55.471	ug/l	99
36) 1,1-Dichloropropene	8.08	75	177436	49.545	ug/l	100
37) Ethyl Acetate	7.25	43	106105	54.066	ug/l	99
38) Carbon Tetrachloride	8.07	117	165558	53.411	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	187578	46.622	ug/l	99
40) Benzene	8.32	78	502843	51.420	ug/l	100
41) Methacrylonitrile	7.48	41	66124	57.328	ug/l	99
42) 1,2-Dichloroethane	8.40	62	180052	58.747	ug/l	99
43) Isopropyl Acetate	8.42	43	202842	55.799	ug/l	99
44) Trichloroethene	9.09	130	125121	52.633	ug/l	96
45) 1,2-Dichloropropane	9.37	63	139879	53.149	ug/l	98
46) Dibromomethane	9.46	93	65734	56.136	ug/l	98
47) Bromodichloromethane	9.64	83	180165	57.810	ug/l	99
48) Methyl methacrylate	9.43	41	97262	56.215	ug/l	95
49) 1,4-Dioxane	9.45	88	20927	1167.382	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	527111	285.083	ug/l	100
52) Toluene	10.39	92	310153	52.794	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	180669	56.912	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	209496	54.655	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	94501	57.039	ug/l	96
56) Ethyl methacrylate	10.65	69	138518	57.445	ug/l	99
57) 1,3-Dichloropropane	10.93	76	175330	56.000	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	346427	279.932	ug/l	99
59) 2-Hexanone	10.97	43	353996	270.584	ug/l	99
60) Dibromochloromethane	11.13	129	110824	60.055	ug/l	100
61) 1,2-Dibromoethane	11.23	107	89234	57.812	ug/l	97
64) Tetrachloroethene	10.86	164	105565	52.300	ug/l	99
65) Chlorobenzene	11.66	112	320002	52.200	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	121123	56.636	ug/l	98
67) Ethyl Benzene	11.73	91	610280	51.679	ug/l	99
68) m/p-Xylenes	11.83	106	436556	102.628	ug/l	99
69) o-Xylene	12.16	106	207192	52.627	ug/l	98
70) Styrene	12.18	104	370917	54.430	ug/l	99
71) Bromoform	12.35	173	63011	59.136	ug/l #	97
73) Isopropylbenzene	12.46	105	583279	50.958	ug/l	99
74) N-amyl acetate	12.27	43	183282	52.999	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	111766	53.262	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	75966m	51.062	ug/l	
77) Bromobenzene	12.74	156	132419	53.475	ug/l	97
78) n-propylbenzene	12.80	91	700887	50.158	ug/l	99
79) 2-Chlorotoluene	12.89	91	410329	51.722	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	499767	52.253	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	35762	52.704	ug/l	100
82) 4-Chlorotoluene	12.99	91	430189	51.787	ug/l	99
83) tert-Butylbenzene	13.21	119	427444	52.759	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	497324	51.763	ug/l	99
85) sec-Butylbenzene	13.38	105	587245	50.592	ug/l	100
86) p-Isopropyltoluene	13.50	119	531151	51.239	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	253541	52.347	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	249051	51.786	ug/l	100
89) n-Butylbenzene	13.82	91	508466	49.325	ug/l	99
90) Hexachloroethane	14.09	117	95369	52.438	ug/l	91
91) 1,2-Dichlorobenzene	13.87	146	231732	54.538	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20137	56.922	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	157521	53.646	ug/l	100
94) Hexachlorobutadiene	15.24	225	105552	54.441	ug/l	98
95) Naphthalene	15.36	128	302699	52.316	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	144307	56.329	ug/l	99

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

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