

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090419\
 Data File : VW012629.D
 Acq On : 05 Sep 2019 09:37
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Sep 05 11:29:01 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	163825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	285707	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	264277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	132048	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	136694	70.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.38%	
35) Dibromofluoromethane	7.88	113	99597	58.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.80%	
50) Toluene-d8	10.32	98	356928	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
62) 4-Bromofluorobenzene	12.62	95	141617	58.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	44140	43.758	ug/l	99
3) Chloromethane	2.21	50	71945	46.036	ug/l	98
4) Vinyl Chloride	2.36	62	74294	38.840	ug/l	98
5) Bromomethane	2.78	94	49827	51.435	ug/l	94
6) Chloroethane	2.92	64	50688	46.974	ug/l	93
7) Trichlorofluoromethane	3.25	101	41233	42.929	ug/l	92
8) Diethyl Ether	3.68	74	61582	67.548	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	81212	49.743	ug/l	97
10) Methyl Iodide	4.27	142	138037	62.489	ug/l	97
11) Tert butyl alcohol	5.19	59	51453	439.025	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	82439	50.169	ug/l	96
13) Acrolein	3.90	56	33894	307.230	ug/l	100
14) Allyl chloride	4.66	41	199584	56.813	ug/l	98
15) Acrylonitrile	5.37	53	188360	416.831	ug/l	99
16) Acetone	4.13	43	160655	322.719	ug/l	97
17) Carbon Disulfide	4.38	76	220620	44.424	ug/l	98
18) Methyl Acetate	4.67	43	113274	91.868	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	219013	82.417	ug/l	97
20) Methylene Chloride	4.91	84	121234	64.420	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	99982	56.739	ug/l	98
22) Diisopropyl ether	6.31	45	453519	69.647	ug/l	98
23) Vinyl Acetate	6.25	43	1428474	356.459	ug/l	100
24) 1,1-Dichloroethane	6.21	63	224200	63.235	ug/l	99
25) 2-Butanone	7.17	43	262320	387.775	ug/l	99
26) 2,2-Dichloropropane	7.16	77	99899	49.780	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	123236	65.458	ug/l	98
28) Bromochloromethane	7.51	49	99473	64.371	ug/l	95
29) Tetrahydrofuran	7.53	42	172237	424.379	ug/l	99
30) Chloroform	7.67	83	219642	67.712	ug/l	100
31) Cyclohexane	7.95	56	145571	41.499	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	156789	61.101	ug/l	99
36) 1,1-Dichloropropene	8.08	75	143299	48.536	ug/l	99
37) Ethyl Acetate	7.25	43	116007	71.702	ug/l	99
38) Carbon Tetrachloride	8.07	117	133832	52.372	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	140997	42.509	ug/l	98
40) Benzene	8.32	78	452399	56.116	ug/l	100
41) Methacrylonitrile	7.48	41	73643	77.446	ug/l	98
42) 1,2-Dichloroethane	8.40	62	179397	71.002	ug/l	100
43) Isopropyl Acetate	8.42	43	223146	74.460	ug/l	99
44) Trichloroethene	9.09	130	109083	55.660	ug/l	93
45) 1,2-Dichloropropane	9.37	63	131355	60.541	ug/l	98
46) Dibromomethane	9.46	93	67540	69.963	ug/l	96
47) Bromodichloromethane	9.64	83	174405	67.882	ug/l	96
48) Methyl methacrylate	9.43	41	115810	81.193	ug/l	96
49) 1,4-Dioxane	9.47	88	21299	1441.208	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	595306	390.545	ug/l	100
52) Toluene	10.38	92	281232	58.068	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	172670	65.978	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	195019	61.715	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	96157	70.401	ug/l	99
56) Ethyl methacrylate	10.65	69	148525	74.715	ug/l	99
57) 1,3-Dichloropropane	10.93	76	179471	69.532	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	375868	368.416	ug/l	98
59) 2-Hexanone	10.97	43	402193	372.906	ug/l	100
60) Dibromochloromethane	11.13	129	110717	72.776	ug/l	99
61) 1,2-Dibromoethane	11.23	107	90857	71.402	ug/l	99
64) Tetrachloroethene	10.86	164	104480	60.979	ug/l	99
65) Chlorobenzene	11.66	112	299759	57.603	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	113997	62.794	ug/l	98
67) Ethyl Benzene	11.73	91	547607	54.628	ug/l	99
68) m/p-Xylenes	11.84	106	394156	109.158	ug/l	99
69) o-Xylene	12.16	106	191741	57.373	ug/l	98
70) Styrene	12.18	104	349179	60.363	ug/l	99
71) Bromoform	12.35	173	65685	72.621	ug/l #	100
73) Isopropylbenzene	12.46	105	509280	51.471	ug/l	99
74) N-amyl acetate	12.27	43	190300	63.658	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	116157	64.035	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	98731m	76.771	ug/l	
77) Bromobenzene	12.74	156	127558	59.590	ug/l	99
78) n-propylbenzene	12.80	91	610563	50.547	ug/l	99
79) 2-Chlorotoluene	12.89	91	372723	54.349	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	450847	54.530	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	35160	59.943	ug/l	96
82) 4-Chlorotoluene	12.99	91	391653	54.542	ug/l	100
83) tert-Butylbenzene	13.21	119	376788	53.800	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	460446	55.440	ug/l	99
85) sec-Butylbenzene	13.38	105	501259	49.957	ug/l	100
86) p-Isopropyltoluene	13.50	119	462243	51.585	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	239857	57.288	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	236652	56.925	ug/l	100
89) n-Butylbenzene	13.82	91	435851	48.912	ug/l	99
90) Hexachloroethane	14.09	117	84564	53.789	ug/l	91
91) 1,2-Dichlorobenzene	13.87	146	222523	60.583	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22559	73.769	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	150553	59.313	ug/l	99
94) Hexachlorobutadiene	15.24	225	89585	53.451	ug/l	98
95) Naphthalene	15.36	128	321911	63.366	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	140100	63.263	ug/l	99

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

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