

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082319\
 Data File : VW012130.D
 Acq On : 23 Aug 2019 13:41
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082319

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 11:39:22 AM

Quant Time: Aug 26 07:25:15 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	269614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	426828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	367395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174642	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	148787	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	
35) Dibromofluoromethane	7.88	113	120340	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
50) Toluene-d8	10.32	98	505228	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.62	95	174584	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	95784	57.697	ug/l	96
3) Chloromethane	2.21	50	132031	51.334	ug/l	99
4) Vinyl Chloride	2.36	62	165941	52.713	ug/l	98
5) Bromomethane	2.78	94	84407	52.943	ug/l	100
6) Chloroethane	2.92	64	93091	52.420	ug/l	96
7) Trichlorofluoromethane	3.26	101	87252	55.198	ug/l	99
8) Diethyl Ether	3.68	74	75369	50.233	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	140533	52.303	ug/l	99
10) Methyl Iodide	4.27	142	189294	52.069	ug/l	100
11) Tert butyl alcohol	5.18	59	48469	251.293	ug/l	98
12) 1,1-Dichloroethene	4.04	96	142279	52.611	ug/l	96
13) Acrolein	3.89	56	41522	228.695	ug/l	99
14) Allyl chloride	4.67	41	306769	53.060	ug/l	100
15) Acrylonitrile	5.37	53	186296	250.503	ug/l	99
16) Acetone	4.12	43	228898	279.390	ug/l	99
17) Carbon Disulfide	4.39	76	450277	55.093	ug/l	99
18) Methyl Acetate	4.67	43	96940	47.772	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	225241	51.503	ug/l	100
20) Methylene Chloride	4.92	84	150451	48.576	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	150334	51.839	ug/l	100
22) Diisopropyl ether	6.31	45	543517	50.717	ug/l	99
23) Vinyl Acetate	6.25	43	1726304	261.754	ug/l	99
24) 1,1-Dichloroethane	6.21	63	293381	50.280	ug/l	99
25) 2-Butanone	7.17	43	288298	258.957	ug/l	98
26) 2,2-Dichloropropane	7.17	77	174425	52.813	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	158224	51.066	ug/l	100
28) Bromochloromethane	7.51	49	127374	50.085	ug/l	98
29) Tetrahydrofuran	7.53	42	172193	257.799	ug/l	99
30) Chloroform	7.68	83	264706	49.585	ug/l	99
31) Cyclohexane	7.96	56	287642	49.826	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	218918	51.838	ug/l	100
36) 1,1-Dichloropropene	8.08	75	233366	52.908	ug/l	99
37) Ethyl Acetate	7.25	43	122228	50.569	ug/l	99
38) Carbon Tetrachloride	8.07	117	200446	52.505	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	267885	54.062	ug/l	99
40) Benzene	8.32	78	613608	50.947	ug/l	99
41) Methacrylonitrile	7.48	41	80024	56.332	ug/l	93
42) 1,2-Dichloroethane	8.40	62	188372	49.904	ug/l	99
43) Isopropyl Acetate	8.42	43	229213	51.197	ug/l	99
44) Trichloroethene	9.09	130	150148	51.283	ug/l	94
45) 1,2-Dichloropropane	9.37	63	162778	50.219	ug/l	100
46) Dibromomethane	9.46	93	72519	50.284	ug/l	99
47) Bromodichloromethane	9.65	83	194793	50.750	ug/l	98
48) Methyl methacrylate	9.43	41	116922	54.870	ug/l	96
49) 1,4-Dioxane	9.45	88	22659	1026.304	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	586232	257.436	ug/l	100
52) Toluene	10.39	92	372823	51.528	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	206180	52.735	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	246662	52.250	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	102597	50.280	ug/l	99
56) Ethyl methacrylate	10.65	69	157108	52.902	ug/l	99
57) 1,3-Dichloropropane	10.93	76	196493	50.957	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	380917	249.920	ug/l	99
59) 2-Hexanone	10.97	43	432723	268.561	ug/l	100
60) Dibromochloromethane	11.13	129	117968	51.905	ug/l	99
61) 1,2-Dibromoethane	11.24	107	97500	51.289	ug/l	99
64) Tetrachloroethene	10.86	164	122650	51.492	ug/l	97
65) Chlorobenzene	11.66	112	369800	51.117	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	130414	51.674	ug/l	99
67) Ethyl Benzene	11.73	91	728637	52.286	ug/l	100
68) m/p-Xylenes	11.84	106	528187	105.221	ug/l	99
69) o-Xylene	12.16	106	245984	52.945	ug/l	99
70) Styrene	12.18	104	420939	52.344	ug/l	99
71) Bromoform	12.35	173	64548	51.334	ug/l #	100
73) Isopropylbenzene	12.46	105	690611	52.774	ug/l	99
74) N-amyl acetate	12.27	43	211788	53.567	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	120385	50.180	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	86695m	50.970	ug/l	
77) Bromobenzene	12.75	156	147972	52.267	ug/l	98
78) n-propylbenzene	12.80	91	845975	52.954	ug/l	99
79) 2-Chlorotoluene	12.90	91	476854	52.575	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	579606	53.006	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	42427	54.691	ug/l	98
82) 4-Chlorotoluene	12.99	91	492058	51.812	ug/l	100
83) tert-Butylbenzene	13.21	119	491943	53.110	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	577171	52.545	ug/l	98
85) sec-Butylbenzene	13.38	105	706933	53.271	ug/l	100
86) p-Isopropyltoluene	13.50	119	639566	53.966	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	284415	51.362	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	283546	51.570	ug/l	100
89) n-Butylbenzene	13.82	91	644924	54.722	ug/l	99
90) Hexachloroethane	14.10	117	110866	53.320	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	251754	51.825	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20749	51.302	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	185311	55.201	ug/l	100
94) Hexachlorobutadiene	15.24	225	119441	53.884	ug/l	98
95) Naphthalene	15.36	128	334052	50.649	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	162034	55.322	ug/l	99

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

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