

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082619\
 Data File : VW012192.D
 Acq On : 27 Aug 2019 00:41
 Operator : SY/VA
 Sample : K4514-03MS
 Misc : 5.34G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-1.0-1.5-082319MS

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 11:04:36 AM

Quant Time: Aug 27 06:41:13 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	248335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	421815	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	108629	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	145092	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
35) Dibromofluoromethane	7.88	113	111842	44.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.84%	
50) Toluene-d8	10.32	98	418017	40.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.90%	
62) 4-Bromofluorobenzene	12.62	95	117441	32.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	77293	50.548	ug/l	99
3) Chloromethane	2.21	50	116796	49.302	ug/l	99
4) Vinyl Chloride	2.36	62	136408	47.044	ug/l	100
5) Bromomethane	2.76	94	64596	43.989	ug/l	99
6) Chloroethane	2.90	64	76002	46.465	ug/l	94
7) Trichlorofluoromethane	3.25	101	64956	44.614	ug/l	99
8) Diethyl Ether	3.68	74	71804	51.957	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	173167	69.972	ug/l	99
10) Methyl Iodide	4.27	142	156048	46.602	ug/l	99
11) Tert butyl alcohol	5.18	59	50553	284.556	ug/l	99
12) 1,1-Dichloroethene	4.04	96	113101	45.405	ug/l	100
13) Acrolein	3.89	56	27427	164.007	ug/l	99
14) Allyl chloride	4.66	41	233971	43.936	ug/l	99
15) Acrylonitrile	5.37	53	185800	271.244	ug/l	99
16) Acetone	4.12	43	229715	304.412	ug/l	100
17) Carbon Disulfide	4.38	76	315326	41.887	ug/l	100
18) Methyl Acetate	4.67	43	161270	86.284	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	212769	52.820	ug/l	99
20) Methylene Chloride	4.92	84	152370	53.411	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	116762	43.713	ug/l	100
22) Diisopropyl ether	6.31	45	497853	50.437	ug/l	95
23) Vinyl Acetate	6.25	43	527541	86.843	ug/l	99
24) 1,1-Dichloroethane	6.21	63	262704	48.880	ug/l	99
25) 2-Butanone	7.17	43	278740	271.825	ug/l	98
26) 2,2-Dichloropropane	7.17	77	125623	41.296	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	131970	46.243	ug/l	100
28) Bromochloromethane	7.51	49	115368	49.251	ug/l #	99
29) Tetrahydrofuran	7.52	42	186944	303.865	ug/l	99
30) Chloroform	7.67	83	233805	47.550	ug/l	96
31) Cyclohexane	7.95	56	204622	38.482	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	181065	46.549	ug/l	100
36) 1,1-Dichloropropene	8.08	75	173782	39.868	ug/l	100
37) Ethyl Acetate	7.25	43	111502	46.680	ug/l	100
38) Carbon Tetrachloride	8.07	117	161870	42.905	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	149179	30.464	ug/l	98
40) Benzene	8.32	78	527801	44.344	ug/l	100
41) Methacrylonitrile	7.48	41	73858	52.609	ug/l	98
42) 1,2-Dichloroethane	8.40	62	174331	46.733	ug/l	100
43) Isopropyl Acetate	8.42	43	213612	48.279	ug/l	99
44) Trichloroethene	9.09	130	115538	39.931	ug/l	97
45) 1,2-Dichloropropane	9.37	63	143778	44.884	ug/l	99
46) Dibromomethane	9.46	93	64781	45.452	ug/l	99
47) Bromodichloromethane	9.64	83	170484	44.945	ug/l	100
48) Methyl methacrylate	9.43	41	120964	57.442	ug/l	96
49) 1,4-Dioxane	9.46	88	22140	1014.715	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	604850	268.768	ug/l	99
52) Toluene	10.38	92	298595	41.759	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	151732	39.270	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	190529	40.839	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	94266	46.746	ug/l	100
56) Ethyl methacrylate	10.65	69	139257	47.449	ug/l	99
57) 1,3-Dichloropropane	10.93	76	176723	46.375	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	374231	248.451	ug/l	99
59) 2-Hexanone	10.97	43	407503	255.915	ug/l	100
60) Dibromochloromethane	11.13	129	100476	44.734	ug/l	99
61) 1,2-Dibromoethane	11.24	107	83919	44.670	ug/l	99
64) Tetrachloroethene	10.86	164	100213	47.813	ug/l	98
65) Chlorobenzene	11.66	112	265099	41.645	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	106009	47.736	ug/l	98
67) Ethyl Benzene	11.73	91	516521	42.122	ug/l	98
68) m/p-Xylenes	11.84	106	367479	83.195	ug/l	99
69) o-Xylene	12.16	106	175935	43.035	ug/l	99
70) Styrene	12.18	104	285836	40.394	ug/l	99
71) Bromoform	12.35	173	54915	49.632	ug/l	99
73) Isopropylbenzene	12.46	105	443028	54.428	ug/l	98
74) N-amyl acetate	12.27	43	122221	49.699	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	108819	72.923	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	76082m	71.913	ug/l	
77) Bromobenzene	12.74	156	95897	54.458	ug/l	95
78) n-propylbenzene	12.80	91	483515	48.658	ug/l	99
79) 2-Chlorotoluene	12.89	91	292598	51.864	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	340796	50.106	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	31792	65.886	ug/l	99
82) 4-Chlorotoluene	12.99	91	281845	47.712	ug/l	99
83) tert-Butylbenzene	13.21	119	279614	48.532	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	335610	49.121	ug/l	100
85) sec-Butylbenzene	13.38	105	347182	42.061	ug/l	100
86) p-Isopropyltoluene	13.50	119	305004	41.376	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	145259	42.173	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	141816	41.467	ug/l	100
89) n-Butylbenzene	13.82	91	241036	32.881	ug/l	99
90) Hexachloroethane	14.09	117	53556	41.410	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	140348	46.449	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17131	68.096	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	52811	25.291	ug/l	100
94) Hexachlorobutadiene	15.24	225	24112	17.488	ug/l	99
95) Naphthalene	15.36	128	156048	39.114	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	47302	25.964	ug/l	99

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

