

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082619\
 Data File : VW012193.D
 Acq On : 27 Aug 2019 01:07
 Operator : SY/VA
 Sample : K4514-04MSD
 Misc : 5.42G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 11:04:41 AM

Quant Time: Aug 27 06:42:30 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	208095	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	344238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	266653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	92916	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	144817	58.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.08%	
35) Dibromofluoromethane	7.88	113	113223	55.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.20%	
50) Toluene-d8	10.32	98	432167	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.62	95	123459	42.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	78278	61.092	ug/l	95
3) Chloromethane	2.21	50	121858	61.385	ug/l	99
4) Vinyl Chloride	2.36	62	143487	59.055	ug/l	100
5) Bromomethane	2.77	94	72501	58.919	ug/l	99
6) Chloroethane	2.92	64	80623	58.821	ug/l	97
7) Trichlorofluoromethane	3.25	101	70560	57.834	ug/l	99
8) Diethyl Ether	3.68	74	76881	66.389	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	143425	69.160	ug/l	100
10) Methyl Iodide	4.27	142	162897	58.055	ug/l	99
11) Tert butyl alcohol	5.18	59	51896	348.603	ug/l	99
12) 1,1-Dichloroethene	4.04	96	120024	57.502	ug/l	98
13) Acrolein	3.89	56	30146	215.124	ug/l	100
14) Allyl chloride	4.66	41	249062	55.814	ug/l	99
15) Acrylonitrile	5.36	53	188761	328.853	ug/l	100
16) Acetone	4.12	43	247518	391.432	ug/l	98
17) Carbon Disulfide	4.38	76	335230	53.142	ug/l	99
18) Methyl Acetate	4.67	43	137699	87.920	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	224464	66.498	ug/l	100
20) Methylene Chloride	4.91	84	156727	65.562	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	118069	52.749	ug/l	99
22) Diisopropyl ether	6.31	45	518677	62.708	ug/l	95
23) Vinyl Acetate	6.25	43	484671	95.215	ug/l	98
24) 1,1-Dichloroethane	6.21	63	272477	60.502	ug/l	99
25) 2-Butanone	7.17	43	287160	334.188	ug/l	99
26) 2,2-Dichloropropane	7.17	77	133833	52.502	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	135927	56.839	ug/l	99
28) Bromochloromethane	7.51	49	105749	53.874	ug/l	99
29) Tetrahydrofuran	7.52	42	190909	370.316	ug/l	99
30) Chloroform	7.67	83	245166	59.502	ug/l	99
31) Cyclohexane	7.95	56	222412	49.916	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	193079	59.236	ug/l	100
36) 1,1-Dichloropropene	8.08	75	178556	50.194	ug/l	99
37) Ethyl Acetate	7.25	43	117638	60.347	ug/l	100
38) Carbon Tetrachloride	8.07	117	173065	56.210	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	175995	44.039	ug/l	97
40) Benzene	8.32	78	556262	57.267	ug/l	99
41) Methacrylonitrile	7.48	41	77013	67.219	ug/l	95
42) 1,2-Dichloroethane	8.40	62	179997	59.126	ug/l	100
43) Isopropyl Acetate	8.42	43	230091	63.723	ug/l	99
44) Trichloroethene	9.09	130	119942	50.795	ug/l	95
45) 1,2-Dichloropropane	9.37	63	151635	58.005	ug/l	100
46) Dibromomethane	9.46	93	67994	58.458	ug/l	97
47) Bromodichloromethane	9.64	83	179262	57.909	ug/l	98
48) Methyl methacrylate	9.43	41	113762	66.196	ug/l	96
49) 1,4-Dioxane	9.46	88	23320	1309.659	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	621407	338.353	ug/l	100
52) Toluene	10.38	92	318966	54.661	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	155150	49.203	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	199465	52.389	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	98459	59.829	ug/l	99
56) Ethyl methacrylate	10.65	69	148069	61.821	ug/l	100
57) 1,3-Dichloropropane	10.93	76	180729	58.114	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	339389	276.098	ug/l	99
59) 2-Hexanone	10.96	43	423403	325.823	ug/l	100
60) Dibromochloromethane	11.13	129	106330	58.009	ug/l	100
61) 1,2-Dibromoethane	11.23	107	85424	55.718	ug/l	99
64) Tetrachloroethene	10.86	164	112420	65.028	ug/l	99
65) Chlorobenzene	11.66	112	282566	53.816	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	116111	63.389	ug/l	100
67) Ethyl Benzene	11.73	91	561686	55.533	ug/l	98
68) m/p-Xylenes	11.84	106	398804	109.461	ug/l	99
69) o-Xylene	12.16	106	195137	57.869	ug/l	100
70) Styrene	12.18	104	302743	51.869	ug/l	97
71) Bromoform	12.35	173	59750	65.471	ug/l #	99
73) Isopropylbenzene	12.46	105	499911	71.802	ug/l	98
74) N-amyl acetate	12.27	43	131213	62.378	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	114101	89.393	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	76767m	84.831	ug/l	
77) Bromobenzene	12.74	156	102843	68.279	ug/l	96
78) n-propylbenzene	12.80	91	545922	64.229	ug/l	99
79) 2-Chlorotoluene	12.89	91	329513	68.284	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	394002	67.725	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	33594	81.394	ug/l	99
82) 4-Chlorotoluene	12.99	91	308813	61.118	ug/l	100
83) tert-Butylbenzene	13.21	119	327842	66.525	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	384932	65.867	ug/l	100
85) sec-Butylbenzene	13.38	105	423430	59.973	ug/l	99
86) p-Isopropyltoluene	13.50	119	368413	58.429	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	161929	54.963	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	154361	52.768	ug/l	99
89) n-Butylbenzene	13.82	91	294603	46.984	ug/l	100
90) Hexachloroethane	14.09	117	67397	60.924	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	157050	60.766	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18612	86.495	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	63114	35.337	ug/l	98
94) Hexachlorobutadiene	15.24	225	34514	29.266	ug/l	99
95) Naphthalene	15.36	128	186092	52.830	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	60074	38.551	ug/l	98

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

