

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082719\
 Data File : VW012218.D
 Acq On : 27 Aug 2019 17:44
 Operator : SY/VA
 Sample : K4551-20MSD
 Misc : 5.79G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S402-K1-1.0-1.5-082619MSD

Quant Time: Aug 28 06:43:47 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	258752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	431228	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	368984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	167094	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	159737	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
35) Dibromofluoromethane	7.88	113	132072	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
50) Toluene-d8	10.32	98	529824	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.62	95	184125	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	79596	49.959	ug/l	97
3) Chloromethane	2.21	50	129591	52.501	ug/l	99
4) Vinyl Chloride	2.36	62	164269	54.372	ug/l	97
5) Bromomethane	2.77	94	81503	53.268	ug/l	95
6) Chloroethane	2.92	64	95403	55.977	ug/l	97
7) Trichlorofluoromethane	3.26	101	84894	55.961	ug/l	100
8) Diethyl Ether	3.68	74	85316	59.249	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	132267	51.293	ug/l	98
10) Methyl Iodide	4.27	142	192351	55.131	ug/l	98
11) Tert butyl alcohol	5.18	59	52612	284.224	ug/l	99
12) 1,1-Dichloroethene	4.04	96	141684	54.590	ug/l	95
13) Acrolein	3.90	56	17961	103.078	ug/l	96
14) Allyl chloride	4.67	41	316276	57.001	ug/l	99
15) Acrylonitrile	5.37	53	196558	275.397	ug/l	99
16) Acetone	4.12	43	211803	269.376	ug/l	99
17) Carbon Disulfide	4.38	76	428213	54.592	ug/l	99
18) Methyl Acetate	4.67	43	293292	150.603	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	248118	59.115	ug/l	99
20) Methylene Chloride	4.92	84	195492	65.769	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	155282	55.793	ug/l	97
22) Diisopropyl ether	6.31	45	588956	57.265	ug/l	92
23) Vinyl Acetate	6.26	43	330607	52.233	ug/l	100
24) 1,1-Dichloroethane	6.21	63	313433	55.971	ug/l	100
25) 2-Butanone	7.17	43	269027	251.791	ug/l	100
26) 2,2-Dichloropropane	7.17	77	168396	53.128	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	169668	57.058	ug/l	99
28) Bromochloromethane	7.51	49	128741	52.747	ug/l	99
29) Tetrahydrofuran	7.53	42	186813	291.428	ug/l	98
30) Chloroform	7.68	83	282569	55.153	ug/l	99
31) Cyclohexane	7.95	56	276788	49.958	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	223422	55.126	ug/l	99
36) 1,1-Dichloropropene	8.08	75	231491	51.948	ug/l	99
37) Ethyl Acetate	7.25	43	87369	35.778	ug/l	99
38) Carbon Tetrachloride	8.07	117	198784	51.539	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	251646	50.267	ug/l	99
40) Benzene	8.32	78	651274	53.523	ug/l	100
41) Methacrylonitrile	7.48	41	76227	53.112	ug/l	99
42) 1,2-Dichloroethane	8.40	62	200779	52.648	ug/l	99
43) Isopropyl Acetate	8.42	43	190654	42.150	ug/l	96
44) Trichloroethene	9.09	130	157881	53.374	ug/l	99
45) 1,2-Dichloropropane	9.37	63	176721	53.964	ug/l	98
46) Dibromomethane	9.46	93	78319	53.752	ug/l	98
47) Bromodichloromethane	9.64	83	210215	54.209	ug/l	96
48) Methyl methacrylate	9.43	41	143069	66.456	ug/l	98
49) 1,4-Dioxane	9.46	88	21838	979.026	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	628753	273.291	ug/l	100
52) Toluene	10.38	92	393888	53.884	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	218762	55.382	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	262735	55.087	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	112953	54.791	ug/l	99
56) Ethyl methacrylate	10.65	69	121164	40.383	ug/l	100
57) 1,3-Dichloropropane	10.93	76	211654	54.329	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	388807	252.494	ug/l	100
59) 2-Hexanone	10.97	43	412506	253.402	ug/l	99
60) Dibromochloromethane	11.13	129	127466	55.512	ug/l	100
61) 1,2-Dibromoethane	11.23	107	104823	54.579	ug/l	99
64) Tetrachloroethene	10.86	164	124195	51.916	ug/l	98
65) Chlorobenzene	11.66	112	390265	53.714	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	140071	55.262	ug/l	99
67) Ethyl Benzene	11.73	91	756222	54.031	ug/l	99
68) m/p-Xylenes	11.84	106	542805	107.667	ug/l	99
69) o-Xylene	12.16	106	257071	55.094	ug/l	98
70) Styrene	12.18	104	439442	54.410	ug/l	100
71) Bromoform	12.35	173	70266	55.641	ug/l #	99
73) Isopropylbenzene	12.46	105	704579	56.274	ug/l	99
74) N-amyl acetate	12.27	43	105627	27.923	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	129548	56.438	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	88290m	54.253	ug/l	
77) Bromobenzene	12.74	156	153789	56.776	ug/l	98
78) n-propylbenzene	12.80	91	837597	54.798	ug/l	99
79) 2-Chlorotoluene	12.89	91	477738	55.051	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	580815	55.516	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	43192	58.192	ug/l	95
82) 4-Chlorotoluene	12.99	91	497042	54.701	ug/l	100
83) tert-Butylbenzene	13.21	119	498836	56.287	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	577440	54.944	ug/l	100
85) sec-Butylbenzene	13.38	105	683320	53.818	ug/l	100
86) p-Isopropyltoluene	13.50	119	607924	53.613	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	286454	54.067	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	280600	53.340	ug/l	99
89) n-Butylbenzene	13.82	91	574202	50.923	ug/l	100
90) Hexachloroethane	14.09	117	107739	54.157	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	255723	55.020	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21836	56.429	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	160342	49.921	ug/l	99
94) Hexachlorobutadiene	15.24	225	93541	44.106	ug/l	98
95) Naphthalene	15.36	128	317803	50.387	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	138777	49.522	ug/l	98

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

