

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082719\
 Data File : VW012217.D
 Acq On : 27 Aug 2019 17:18
 Operator : SY/VA
 Sample : K4551-18MS
 Misc : 5.75G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Aug 28 06:41:58 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	243899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	401167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	337118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	141796	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	170045	58.65	ug/l	0.00
Spiked Amount			Recovery	=	117.30%	
35) Dibromofluoromethane	7.88	113	137782	57.54	ug/l	0.00
Spiked Amount			Recovery	=	115.08%	
50) Toluene-d8	10.32	98	539846	55.60	ug/l	0.00
Spiked Amount			Recovery	=	111.20%	
62) 4-Bromofluorobenzene	12.62	95	176692	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	82940	55.228	ug/l	97
3) Chloromethane	2.21	50	130971	56.291	ug/l	100
4) Vinyl Chloride	2.36	62	160819	56.472	ug/l	100
5) Bromomethane	2.75	94	77570	53.785	ug/l	99
6) Chloroethane	2.91	64	91794	57.140	ug/l	94
7) Trichlorofluoromethane	3.25	101	78034	54.571	ug/l	98
8) Diethyl Ether	3.68	74	81173	59.805	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	124101	51.057	ug/l	98
10) Methyl Iodide	4.27	142	176147	53.561	ug/l	98
11) Tert butyl alcohol	5.17	59	57168	327.644	ug/l	100
12) 1,1-Dichloroethene	4.04	96	132346	54.098	ug/l	98
13) Acrolein	3.89	56	14010	85.300	ug/l	100
14) Allyl chloride	4.66	41	291929	55.817	ug/l	98
15) Acrylonitrile	5.36	53	193919	288.245	ug/l	99
16) Acetone	4.12	43	175873	237.301	ug/l	98
17) Carbon Disulfide	4.38	76	389145	52.633	ug/l	99
18) Methyl Acetate	4.66	43	333057	181.437	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	237427	60.013	ug/l	99
20) Methylene Chloride	4.91	84	175616	62.680	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	140583	53.588	ug/l	94
22) Diisopropyl ether	6.31	45	545160	56.234	ug/l	93
23) Vinyl Acetate	6.31	43	333646	55.923	ug/l #	77
24) 1,1-Dichloroethane	6.21	63	289407	54.828	ug/l	100
25) 2-Butanone	7.17	43	275282	273.336	ug/l	99
26) 2,2-Dichloropropane	7.17	77	154340	51.659	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	155213	55.376	ug/l	99
28) Bromochloromethane	7.51	49	123112	53.513	ug/l	100
29) Tetrahydrofuran	7.52	42	198913	329.201	ug/l	99
30) Chloroform	7.67	83	261422	54.133	ug/l	99
31) Cyclohexane	7.95	56	251623	48.182	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	204061	53.415	ug/l	100
36) 1,1-Dichloropropene	8.08	75	208850	50.379	ug/l	100
37) Ethyl Acetate	7.25	43	62519	27.520	ug/l #	83
38) Carbon Tetrachloride	8.07	117	180894	50.415	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	216314	46.447	ug/l	98
40) Benzene	8.32	78	602960	53.266	ug/l	99
41) Methacrylonitrile	7.48	41	75698	56.695	ug/l	97
42) 1,2-Dichloroethane	8.40	62	190828	53.789	ug/l	99
43) Isopropyl Acetate	8.42	43	145046	34.469	ug/l #	91
44) Trichloroethene	9.09	130	140496	51.056	ug/l	99
45) 1,2-Dichloropropane	9.37	63	163011	53.507	ug/l	98
46) Dibromomethane	9.46	93	75097	55.402	ug/l	99
47) Bromodichloromethane	9.65	83	193233	53.564	ug/l	98
48) Methyl methacrylate	9.43	41	148336	74.065	ug/l	98
49) 1,4-Dioxane	9.45	88	25816	1244.091	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	624312	291.695	ug/l	99
52) Toluene	10.38	92	392718	57.750	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	196958	53.598	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	235431	53.061	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	104788	54.639	ug/l	97
56) Ethyl methacrylate	10.65	69	83961	30.080	ug/l #	80
57) 1,3-Dichloropropane	10.93	76	201544	55.611	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	414173	289.121	ug/l	100
59) 2-Hexanone	10.97	43	411453	271.695	ug/l	99
60) Dibromochloromethane	11.13	129	115505	54.072	ug/l	98
61) 1,2-Dibromoethane	11.23	107	99645	55.770	ug/l	99
64) Tetrachloroethene	10.86	164	110046	50.350	ug/l	98
65) Chlorobenzene	11.66	112	341908	51.507	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	126834	54.769	ug/l	99
67) Ethyl Benzene	11.73	91	671030	52.476	ug/l	100
68) m/p-Xylenes	11.84	106	475727	103.282	ug/l	100
69) o-Xylene	12.16	106	225891	52.987	ug/l	100
70) Styrene	12.18	104	374274	50.721	ug/l	99
71) Bromoform	12.35	173	64191	55.635	ug/l #	99
73) Isopropylbenzene	12.46	105	610623	57.471	ug/l	99
74) N-amyl acetate	12.27	43	45866	14.288	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	123107	63.201	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	84405m	61.119	ug/l	
77) Bromobenzene	12.74	156	132220	57.522	ug/l	100
78) n-propylbenzene	12.80	91	705871	54.419	ug/l	99
79) 2-Chlorotoluene	12.89	91	406699	55.227	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	491832	55.398	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	39650	62.950	ug/l	99
82) 4-Chlorotoluene	12.99	91	416676	54.038	ug/l	100
83) tert-Butylbenzene	13.21	119	419484	55.778	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	487621	54.676	ug/l	100
85) sec-Butylbenzene	13.38	105	556482	51.648	ug/l	99
86) p-Isopropyltoluene	13.50	119	495102	51.454	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	227089	50.509	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	226074	50.642	ug/l	100
89) n-Butylbenzene	13.82	91	443723	46.372	ug/l	99
90) Hexachloroethane	14.09	117	86305	51.122	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	205094	52.000	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20548	62.574	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	105814	38.822	ug/l	98
94) Hexachlorobutadiene	15.24	225	60547	33.642	ug/l	99
95) Naphthalene	15.36	128	218596	41.660	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	85913	36.127	ug/l	100

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

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