

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083019\
 Data File : VW012352.D
 Acq On : 30 Aug 2019 16:07
 Operator : SY/VA
 Sample : K4620-05MS
 Misc : 5.21G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S505-K2-9.5-10.0-082919MS

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 9:11:20 AM

Quant Time: Aug 30 18:00:04 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	212469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	348744	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	300230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	127926	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	139104	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	
35) Dibromofluoromethane	7.88	113	109904	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
50) Toluene-d8	10.32	98	431337	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.62	95	144789	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	65943	50.405	ug/l	97
3) Chloromethane	2.21	50	106846	52.715	ug/l	100
4) Vinyl Chloride	2.36	62	203269	81.937	ug/l	97
5) Bromomethane	2.75	94	57955	46.129	ug/l	98
6) Chloroethane	2.90	64	72874	52.073	ug/l	92
7) Trichlorofluoromethane	3.24	101	69004	55.395	ug/l	97
8) Diethyl Ether	3.68	74	68047	57.551	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	106256	50.182	ug/l	99
10) Methyl Iodide	4.27	142	149282	52.107	ug/l	99
11) Tert butyl alcohol	5.18	59	47795	314.446	ug/l	98
12) 1,1-Dichloroethene	4.03	96	113101	53.070	ug/l	96
13) Acrolein	3.89	56	23806	166.384	ug/l	98
14) Allyl chloride	4.67	41	213169	46.787	ug/l	99
15) Acrylonitrile	5.36	53	176073	300.434	ug/l	100
16) Acetone	4.12	43	169416	262.404	ug/l	100
17) Carbon Disulfide	4.38	76	322838	50.124	ug/l	100
18) Methyl Acetate	4.67	43	123427	77.185	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	204811	59.427	ug/l	100
20) Methylene Chloride	4.91	84	135409	55.479	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	130622	57.156	ug/l	99
22) Diisopropyl ether	6.31	45	484040	57.315	ug/l	96
23) Vinyl Acetate	6.25	43	1355112	260.734	ug/l	100
24) 1,1-Dichloroethane	6.21	63	264835	57.595	ug/l	99
25) 2-Butanone	7.17	43	259052	295.270	ug/l #	83
26) 2,2-Dichloropropane	7.17	77	137367	52.779	ug/l #	1
27) cis-1,2-Dichloroethene	7.17	96	2547330	1043.263	ug/l	93
28) Bromochloromethane	7.51	49	115933	57.847	ug/l	99
29) Tetrahydrofuran	7.53	42	163731	311.059	ug/l	100
30) Chloroform	7.67	83	230976	54.904	ug/l	100
31) Cyclohexane	7.95	56	215016	47.263	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	181374	54.499	ug/l	100
36) 1,1-Dichloropropene	8.08	75	185496	51.471	ug/l	100
37) Ethyl Acetate	7.25	43	111966	56.696	ug/l #	83
38) Carbon Tetrachloride	8.07	117	159976	51.287	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	189306	46.758	ug/l	100
40) Benzene	8.32	78	526615	53.514	ug/l	100
41) Methacrylonitrile	7.48	41	68989	59.438	ug/l	98
42) 1,2-Dichloroethane	8.40	62	172375	55.891	ug/l	99
43) Isopropyl Acetate	8.42	43	213588	58.388	ug/l	99
44) Trichloroethene	9.09	130	141800	59.276	ug/l	96
45) 1,2-Dichloropropane	9.37	63	143194	54.068	ug/l	98
46) Dibromomethane	9.46	93	65274	55.394	ug/l	99
47) Bromodichloromethane	9.64	83	171527	54.694	ug/l	99
48) Methyl methacrylate	9.43	41	104129	59.808	ug/l	96
49) 1,4-Dioxane	9.46	88	19165	1062.406	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	554194	297.857	ug/l	100
52) Toluene	10.39	92	315315	53.337	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	174190	54.528	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	206534	53.545	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	93997	56.380	ug/l	99
56) Ethyl methacrylate	10.65	69	137804	56.792	ug/l	98
57) 1,3-Dichloropropane	10.93	76	176737	56.096	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	299950	240.861	ug/l	100
59) 2-Hexanone	10.97	43	368960	280.258	ug/l	100
60) Dibromochloromethane	11.13	129	104278	56.154	ug/l	100
61) 1,2-Dibromoethane	11.23	107	87690	56.457	ug/l	99
64) Tetrachloroethene	10.86	164	97087	49.878	ug/l	98
65) Chlorobenzene	11.66	112	309476	52.349	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	113786	55.172	ug/l	99
67) Ethyl Benzene	11.73	91	600349	52.717	ug/l	98
68) m/p-Xylenes	11.83	106	425632	103.759	ug/l	100
69) o-Xylene	12.16	106	201394	53.045	ug/l	98
70) Styrene	12.18	104	308533	46.949	ug/l	98
71) Bromoform	12.35	173	57736	56.189	ug/l	99
73) Isopropylbenzene	12.46	105	553898	57.784	ug/l	99
74) N-amyl acetate	12.27	43	157953	54.540	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	111115	63.229	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	91831m	73.706	ug/l	
77) Bromobenzene	12.74	156	121065	58.380	ug/l	98
78) n-propylbenzene	12.80	91	646388	55.237	ug/l	99
79) 2-Chlorotoluene	12.89	91	375007	56.444	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	450178	56.204	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	31768	55.905	ug/l	97
82) 4-Chlorotoluene	12.99	91	381181	54.794	ug/l	100
83) tert-Butylbenzene	13.21	119	381223	56.187	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	448410	55.731	ug/l	100
85) sec-Butylbenzene	13.38	105	517565	53.244	ug/l	99
86) p-Isopropyltoluene	13.50	119	459935	52.981	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	214330	52.840	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	209654	52.056	ug/l	99
89) n-Butylbenzene	13.82	91	420646	48.726	ug/l	100
90) Hexachloroethane	14.09	117	80010	52.532	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	190082	53.419	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17625	59.492	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	92672	37.686	ug/l	99
94) Hexachlorobutadiene	15.24	225	62273	38.353	ug/l	97
95) Naphthalene	15.36	128	198760	41.952	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	81635	38.050	ug/l	100

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

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