

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013208.D
 Acq On : 21 Sep 2019 03:03
 Operator : SY/VA
 Sample : K4939-02MS
 Misc : 5.65G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)MS

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:29:04 AM

Quant Time: Sep 21 06:20:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	268663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	470621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	364579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	94730	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	145441	66.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.66%	
35) Dibromofluoromethane	7.88	113	137442	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	10.32	98	525984	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
62) 4-Bromofluorobenzene	12.62	95	131957	35.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	46926	30.280	ug/l	97
3) Chloromethane	2.20	50	70117	35.197	ug/l	98
4) Vinyl Chloride	2.35	62	96061	37.403	ug/l	98
5) Bromomethane	2.76	94	58907	36.193	ug/l	98
6) Chloroethane	2.90	64	63168	41.726	ug/l	98
7) Trichlorofluoromethane	3.25	101	58595	39.566	ug/l	96
8) Diethyl Ether	3.67	74	72596	57.390	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	110859	45.979	ug/l	100
10) Methyl Iodide	4.27	142	149834	40.082	ug/l	100
11) Tert butyl alcohol	5.19	59	59087	379.580	ug/l	98
12) 1,1-Dichloroethene	4.04	96	109265	43.763	ug/l	98
14) Allvl chloride	4.66	41	154253	38.820	ug/l	98
15) Acrylonitrile	5.37	53	185522	339.795	ug/l	99
16) Acetone	4.12	43	160073	323.723	ug/l	98
17) Carbon Disulfide	4.38	76	191070	26.477	ug/l	99
18) Methyl Acetate	4.67	43	176039	126.650	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	251143	65.632	ug/l	98
20) Methylene Chloride	4.91	84	144152	57.434	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	118011	43.732	ug/l	97
22) Diisopropyl ether	6.31	45	467910	61.925	ug/l	95
23) Vinyl Acetate	6.26	43	137110	30.587	ug/l	99
24) 1,1-Dichloroethane	6.21	63	261632	57.381	ug/l	98
25) 2-Butanone	7.17	43	242738	327.013	ug/l	97
26) 2,2-Dichloropropane	7.16	77	109319	39.362	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	158940	55.811	ug/l	97
28) Bromochloromethane	7.51	49	119290	68.167	ug/l	99
29) Tetrahydrofuran	7.52	42	155072	340.652	ug/l	100
30) Chloroform	7.67	83	261081	58.486	ug/l	98
31) Cyclohexane	7.95	56	176357	37.105	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	193321	53.471	ug/l	99
36) 1,1-Dichloropropene	8.08	75	167028	36.643	ug/l	98
37) Ethyl Acetate	7.25	43	89344	46.118	ug/l	98
38) Carbon Tetrachloride	8.07	117	168005	41.115	ug/l	98
39) Methylcyclohexane	9.33	83	173101	29.550	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.32	78	551709	43.392	ug/l	100
41) Methacrylonitrile	7.48	41	58532	50.623	ug/l	93
42) 1,2-Dichloroethane	8.40	62	167035	48.871	ug/l	100
43) Isopropyl Acetate	8.42	43	187680	50.547	ug/l	98
44) Trichloroethene	9.09	130	193369	54.206	ug/l	99
45) 1,2-Dichloropropane	9.37	63	151968	48.957	ug/l	99
46) Dibromomethane	9.46	93	73113	48.514	ug/l	98
47) Bromodichloromethane	9.64	83	192929	50.311	ug/l	97
48) Methyl methacrylate	9.43	41	110188	63.111	ug/l	98
49) 1,4-Dioxane	9.46	88	28721	1269.617	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	535726	287.809	ug/l	99
52) Toluene	10.38	92	341534	41.913	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	167692	42.564	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	203600	42.503	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	115638	51.336	ug/l	98
56) Ethyl methacrylate	10.65	69	128109	43.457	ug/l	99
57) 1,3-Dichloropropane	10.93	76	188341	47.914	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	402476	294.908	ug/l	100
59) 2-Hexanone	10.97	43	333586	260.485	ug/l	99
60) Dibromochloromethane	11.13	129	128987m	50.430	ug/l	
61) 1,2-Dibromoethane	11.23	107	99921	46.655	ug/l	100
64) Tetrachloroethene	10.87	164	11508232	4160.321	ug/l	95
65) Chlorobenzene	11.65	112	338458	44.457	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	137428	52.839	ug/l	99
67) Ethyl Benzene	11.73	91	555502	40.271	ug/l	100
68) m/p-Xylenes	11.83	106	399074	75.921	ug/l	99
69) o-Xylene	12.16	106	199601	40.843	ug/l	99
70) Stvrene	12.18	104	338730	40.373	ug/l	99
71) Bromoform	12.35	173	74698	54.363	ug/l	100
73) Isopropylbenzene	12.46	105	457107	65.322	ug/l	99
74) N-amyl acetate	12.27	43	70364	45.314	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	112029	95.725	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	91610m	109.504	ug/l	
77) Bromobenzene	12.74	156	124361	74.994	ug/l	93
78) n-propylbenzene	12.80	91	428983	52.372	ug/l	100
79) 2-Chlorotoluene	12.89	91	287648	62.682	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	293489	49.893	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	25586	68.627	ug/l	93
82) 4-Chlorotoluene	12.99	91	270881	55.976	ug/l	100
83) tert-Butylbenzene	13.21	119	274930	53.250	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	269688	46.073	ug/l	99
85) sec-Butylbenzene	13.38	105	283535	39.833	ug/l	99
86) p-Isopropyltoluene	13.50	119	228418	34.597	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	145107	45.467	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	143082	45.713	ug/l	99
89) n-Butylbenzene	13.82	91	140315	23.275	ug/l	98
90) Hexachloroethane	14.09	117	59249	53.420	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	129183	46.788	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	14369	80.271	ug/l	96
93) 1,2,4-Trichlorobenzene	15.13	180	20672	10.448	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	19225	14.203	ug/l	96
95) Naphthalene	15.36	128	83511	25.808	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	17659	10.330	ug/l	97

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

