

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013209.D
 Acq On : 21 Sep 2019 03:29
 Operator : SY/VA
 Sample : K4939-03MSD
 Misc : 6.39G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:29:05 AM

Quant Time: Sep 21 06:21:31 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	261414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	455971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	350395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	87460	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	134525	63.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.10%	
35) Dibromofluoromethane	7.88	113	131732	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
50) Toluene-d8	10.32	98	507881	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
62) 4-Bromofluorobenzene	12.62	95	126018	35.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	48291	32.025	ug/l	87
3) Chloromethane	2.21	50	69110	35.653	ug/l	98
4) Vinyl Chloride	2.36	62	92818	37.142	ug/l	97
5) Bromomethane	2.77	94	59078	37.305	ug/l	95
6) Chloroethane	2.92	64	60999	41.411	ug/l	95
7) Trichlorofluoromethane	3.25	101	55553	38.552	ug/l	95
8) Diethyl Ether	3.68	74	68867	55.952	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	106769	45.511	ug/l	99
10) Methyl Iodide	4.27	142	147191	40.467	ug/l	99
11) Tert butyl alcohol	5.19	59	53962	355.622	ug/l	100
12) 1,1-Dichloroethene	4.04	96	106169	43.702	ug/l	95
14) Allvl chloride	4.67	41	148496	38.407	ug/l	98
15) Acrylonitrile	5.37	53	164964	310.520	ug/l	99
16) Acetone	4.13	43	144593	300.526	ug/l	97
17) Carbon Disulfide	4.38	76	194661	27.723	ug/l	98
18) Methyl Acetate	4.67	43	144874	107.119	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	236729	63.581	ug/l	99
20) Methylene Chloride	4.91	84	139516	57.112	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	114357	43.553	ug/l	98
22) Diisopropyl ether	6.31	45	440056	59.854	ug/l	95
23) Vinyl Acetate	6.25	43	151860	34.817	ug/l	100
24) 1,1-Dichloroethane	6.21	63	245557	55.349	ug/l	99
25) 2-Butanone	7.17	43	216824	300.202	ug/l	95
26) 2,2-Dichloropropane	7.16	77	100721	37.083	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	152279	54.955	ug/l	97
28) Bromochloromethane	7.51	49	111484	65.473	ug/l	99
29) Tetrahydrofuran	7.52	42	141030	318.397	ug/l	99
30) Chloroform	7.67	83	248852	57.292	ug/l	96
31) Cyclohexane	7.95	56	167722	36.267	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	184756	52.519	ug/l	99
36) 1,1-Dichloropropene	8.08	75	159887	36.203	ug/l	99
37) Ethyl Acetate	7.25	43	84266	44.894	ug/l	100
38) Carbon Tetrachloride	8.07	117	160204	40.466	ug/l	95
39) Methylcyclohexane	9.33	83	164499	28.984	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.32	78	527172	42.795	ug/l	100
41) Methacrylonitrile	7.48	41	59376	53.003	ug/l	99
42) 1,2-Dichloroethane	8.40	62	152996	46.201	ug/l	98
43) Isopropyl Acetate	8.42	43	170378	47.361	ug/l	98
44) Trichloroethene	9.09	130	224891	65.068	ug/l	98
45) 1,2-Dichloropropane	9.37	63	142319	47.321	ug/l	99
46) Dibromomethane	9.46	93	67491	46.223	ug/l	98
47) Bromodichloromethane	9.64	83	183173	49.301	ug/l	99
48) Methyl methacrylate	9.43	41	96352	56.960	ug/l	96
49) 1,4-Dioxane	9.46	88	27448	1252.328	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	486060	269.517	ug/l	99
52) Toluene	10.38	92	328952	41.666	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	159449	41.772	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	194811	41.974	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	109366	50.112	ug/l	98
56) Ethyl methacrylate	10.65	69	126943	44.445	ug/l	98
57) 1,3-Dichloropropane	10.93	76	171375	44.999	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	374755	283.418	ug/l	100
59) 2-Hexanone	10.96	43	302264	243.610	ug/l	99
60) Dibromochloromethane	11.13	129	122294m	49.350	ug/l	
61) 1,2-Dibromoethane	11.23	107	92685	44.667	ug/l	99
64) Tetrachloroethene	10.87	164	18070772	6797.178	ug/l #	80
65) Chlorobenzene	11.66	112	320857	43.851	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	130714	52.292	ug/l	99
67) Ethyl Benzene	11.73	91	527887	39.818	ug/l	98
68) m/p-Xylenes	11.84	106	377600	74.744	ug/l	99
69) o-Xylene	12.16	106	186513	39.710	ug/l	98
70) Stvrene	12.18	104	318193	39.460	ug/l	99
71) Bromoform	12.35	173	69270	52.453	ug/l #	100
73) Isopropylbenzene	12.46	105	415796	64.357	ug/l	100
74) N-amyl acetate	12.27	43	79035	55.129	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	100070	92.614	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	68767m	89.032	ug/l	
77) Bromobenzene	12.74	156	119832	78.270	ug/l	98
78) n-propylbenzene	12.80	91	378258	50.017	ug/l	99
79) 2-Chlorotoluene	12.89	91	270829	63.923	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	255103	46.972	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	24120	70.073	ug/l	97
82) 4-Chlorotoluene	12.99	91	253245	56.682	ug/l	99
83) tert-Butylbenzene	13.21	119	227656	47.759	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	239749	44.363	ug/l	98
85) sec-Butylbenzene	13.38	105	229468	34.917	ug/l	100
86) p-Isopropyltoluene	13.49	119	184034	30.192	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	131473	44.619	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	131011	45.335	ug/l	99
89) n-Butylbenzene	13.82	91	106215	19.083	ug/l	99
90) Hexachloroethane	14.09	117	49985	48.814	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	118473	46.476	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	12162	73.589	ug/l	94
93) 1,2,4-Trichlorobenzene	15.13	180	17350	9.498	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	11473	9.181	ug/l	94
95) Naphthalene	15.36	128	69923	23.405	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	15210	9.637	ug/l	99

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

