

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091119\
 Data File : VW012916.D
 Acq On : 11 Sep 2019 14:43
 Operator : SY/VA
 Sample : VW0911SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 1:32:23 AM

Quant Time: Sep 12 08:08:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	225076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	329136	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	277268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	137969	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	107999	42.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.88%	
35) Dibromofluoromethane	7.88	113	92925	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
50) Toluene-d8	10.32	98	383223	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.62	95	144219	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23174	18.992	ug/l	95
3) Chloromethane	2.21	50	32367	21.827	ug/l	100
4) Vinyl Chloride	2.35	62	41660	22.913	ug/l	99
5) Bromomethane	2.75	94	24321	24.633	ug/l	92
6) Chloroethane	2.92	64	25034	23.073	ug/l	99
7) Trichlorofluoromethane	3.24	101	26871	21.416	ug/l	86
8) Diethyl Ether	3.67	74	18878	17.901	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	42923	21.799	ug/l	97
10) Methyl Iodide	4.26	142	54464	21.973	ug/l	97
11) Tert butyl alcohol	5.15	59	18022	93.664	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	40261	21.661	ug/l	93
13) Acrolein	3.89	56	11449	56.072	ug/l	97
14) Allyl chloride	4.66	41	72771	18.926	ug/l	98
15) Acrylonitrile	5.35	53	46837	76.042	ug/l	99
16) Acetone	4.12	43	49724	72.527	ug/l	98
17) Carbon Disulfide	4.38	76	80907	20.507	ug/l	98
18) Methyl Acetate	4.67	43	23769	14.777	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	67796	18.392	ug/l	98
20) Methylene Chloride	4.92	84	49704	23.173	ug/l	88
21) trans-1,2-Dichloroethene	5.42	96	42159	22.229	ug/l	91
22) Diisopropyl ether	6.31	45	144968	19.009	ug/l	97
23) Vinyl Acetate	6.25	43	404440	83.683	ug/l	96
24) 1,1-Dichloroethane	6.21	63	85223	20.755	ug/l	99
25) 2-Butanone	7.17	43	69104	82.746	ug/l	100
26) 2,2-Dichloropropane	7.16	77	56919	21.947	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	45950	20.895	ug/l	98
28) Bromochloromethane	7.51	49	30538	16.197	ug/l #	88
29) Tetrahydrofuran	7.53	42	40583	73.301	ug/l	95
30) Chloroform	7.67	83	82890	20.369	ug/l	99
31) Cyclohexane	7.95	56	79003	21.371	ug/l	90
32) 1,1,1-Trichloroethane	7.87	97	70984	21.519	ug/l	99
36) 1,1-Dichloropropene	8.08	75	66392	22.702	ug/l	97
37) Ethyl Acetate	7.25	43	29263	15.697	ug/l	96
38) Carbon Tetrachloride	8.07	117	64294	22.303	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	76997	23.442	ug/l	95
40) Benzene	8.32	78	178450	21.993	ug/l	99
41) Methacrylonitrile	7.48	41	18866	17.583	ug/l	90
42) 1,2-Dichloroethane	8.40	62	55551	19.453	ug/l	98
43) Isopropyl Acetate	8.42	43	58027	16.429	ug/l	96
44) Trichloroethene	9.09	130	48817	23.340	ug/l	92
45) 1,2-Dichloropropane	9.37	63	45474	20.207	ug/l	99
46) Dibromomethane	9.46	93	19990	18.758	ug/l	97
47) Bromodichloromethane	9.65	83	57052	19.459	ug/l	98
48) Methyl methacrylate	9.43	41	27505	16.295	ug/l	97
49) 1,4-Dioxane	9.45	88	6616	314.300	ug/l #	86
51) 4-Methyl-2-Pentanone	10.21	43	148064	79.891	ug/l	98
52) Toluene	10.38	92	114015	22.514	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	56711	18.811	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	67484	19.732	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	31380	19.669	ug/l	94
56) Ethyl methacrylate	10.65	69	41840	17.916	ug/l	98
57) 1,3-Dichloropropane	10.93	76	55724	18.880	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	110392	89.039	ug/l	97
59) 2-Hexanone	10.97	43	103593	76.508	ug/l	97
60) Dibromochloromethane	11.13	129	34565	18.421	ug/l	100
61) 1,2-Dibromoethane	11.23	107	28800	19.690	ug/l	95
64) Tetrachloroethene	10.86	164	42071	25.007	ug/l	93
65) Chlorobenzene	11.66	112	119992	22.897	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	42078	21.561	ug/l	97
67) Ethyl Benzene	11.73	91	229496	23.341	ug/l	99
68) m/p-Xylenes	11.84	106	164847	46.448	ug/l	99
69) o-Xylene	12.16	106	78271	23.377	ug/l	95
70) Styrene	12.18	104	134422	22.720	ug/l	99
71) Bromoform	12.35	173	18866	17.400	ug/l #	97
73) Isopropylbenzene	12.46	105	228092	23.050	ug/l	100
74) N-amyl acetate	12.27	43	61451	19.564	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.71	83	35435	17.831	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	23394m	16.582	ug/l	
77) Bromobenzene	12.74	156	49200	21.945	ug/l	90
78) n-propylbenzene	12.80	91	264983	22.390	ug/l	99
79) 2-Chlorotoluene	12.89	91	149301	21.975	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	190673	22.867	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	10877	16.307	ug/l	98
82) 4-Chlorotoluene	12.99	91	158697	22.082	ug/l	100
83) tert-Butylbenzene	13.21	119	172160	23.351	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	191586	22.802	ug/l	98
85) sec-Butylbenzene	13.38	105	233670	22.840	ug/l	97
86) p-Isopropyltoluene	13.50	119	217785	23.305	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	95260	21.618	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	93144	21.242	ug/l	96
89) n-Butylbenzene	13.82	91	202486	22.319	ug/l	99
90) Hexachloroethane	14.09	117	34105	20.905	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	83958	21.168	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6181	16.995	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	58343	21.128	ug/l	98
94) Hexachlorobutadiene	15.24	225	44870	23.476	ug/l	100
95) Naphthalene	15.36	128	95397	19.456	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	50195	20.593	ug/l	98

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

