

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012246.D
 Acq On : 28 Aug 2019 11:48
 Operator : SY/VA
 Sample : VW0828SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 9:42:01 AM

Quant Time: Aug 28 17:37:22 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	250019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	396103	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	338464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166751	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147585	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	7.88	113	116460	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
50) Toluene-d8	10.32	98	486101	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.62	95	171516	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	25040	16.265	ug/l	99
3) Chloromethane	2.21	50	44462	18.642	ug/l	98
4) Vinyl Chloride	2.35	62	54011	18.502	ug/l	96
5) Bromomethane	2.77	94	27469	18.580	ug/l	93
6) Chloroethane	2.92	64	30000	18.217	ug/l	96
7) Trichlorofluoromethane	3.25	101	29181	19.907	ug/l	99
8) Diethyl Ether	3.68	74	27440	19.722	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	48519	19.473	ug/l	99
10) Methyl Iodide	4.27	142	63510	18.839	ug/l	99
11) Tert butyl alcohol	5.16	59	23976	134.049	ug/l	98
12) 1,1-Dichloroethene	4.04	96	47299	18.861	ug/l	97
13) Acrolein	3.89	56	16675	99.041	ug/l	96
14) Allyl chloride	4.67	41	105383	19.656	ug/l	98
15) Acrylonitrile	5.37	53	74881	108.580	ug/l	99
16) Acetone	4.12	43	78429	103.232	ug/l	96
17) Carbon Disulfide	4.38	76	124373	16.410	ug/l	98
18) Methyl Acetate	4.67	43	42111	22.379	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	87454	21.564	ug/l	97
20) Methylene Chloride	4.92	84	57771	20.115	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	50868	18.915	ug/l	97
22) Diisopropyl ether	6.31	45	200731	20.199	ug/l	96
23) Vinyl Acetate	6.25	43	624963	102.188	ug/l	99
24) 1,1-Dichloroethane	6.21	63	106501	19.683	ug/l	99
25) 2-Butanone	7.17	43	111223	107.733	ug/l	100
26) 2,2-Dichloropropane	7.17	77	65155	21.274	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	57187	19.903	ug/l	99
28) Bromochloromethane	7.51	49	49216	20.869	ug/l	99
29) Tetrahydrofuran	7.52	42	69308	111.897	ug/l	99
30) Chloroform	7.68	83	97250	19.645	ug/l	100
31) Cyclohexane	7.95	56	98126	18.330	ug/l #	96
32) 1,1,1-Trichloroethane	7.87	97	77123	19.693	ug/l	100
36) 1,1-Dichloropropene	8.08	75	80749	19.727	ug/l	100
37) Ethyl Acetate	7.25	43	48125	21.455	ug/l	100
38) Carbon Tetrachloride	8.07	117	68044	19.206	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	88520	19.250	ug/l	99
40) Benzene	8.32	78	217670	19.475	ug/l	99
41) Methacrylonitrile	7.48	41	25775	19.551	ug/l	93
42) 1,2-Dichloroethane	8.40	62	69142	19.738	ug/l	98
43) Isopropyl Acetate	8.42	43	88401	21.277	ug/l	100
44) Trichloroethene	9.09	130	54151	19.930	ug/l	97
45) 1,2-Dichloropropane	9.37	63	60430	20.089	ug/l	96
46) Dibromomethane	9.46	93	27325	20.417	ug/l	98
47) Bromodichloromethane	9.65	83	70560	19.809	ug/l	99
48) Methyl methacrylate	9.43	41	42310	21.396	ug/l	98
49) 1,4-Dioxane	9.44	88	9906	483.480	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	235690	111.528	ug/l	100
52) Toluene	10.38	92	133956	19.950	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	74295	20.476	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	86787	19.810	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	38884	20.534	ug/l	99
56) Ethyl methacrylate	10.65	69	59422	21.561	ug/l	98
57) 1,3-Dichloropropane	10.93	76	74776	20.896	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	153255	108.350	ug/l	99
59) 2-Hexanone	10.97	43	166022	111.031	ug/l	100
60) Dibromochloromethane	11.13	129	41850	19.842	ug/l	98
61) 1,2-Dibromoethane	11.23	107	37403	21.202	ug/l	99
64) Tetrachloroethene	10.86	164	44597	20.323	ug/l	97
65) Chlorobenzene	11.66	112	136265	20.446	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	46650	20.064	ug/l	98
67) Ethyl Benzene	11.73	91	262665	20.459	ug/l	100
68) m/p-Xylenes	11.84	106	188280	40.714	ug/l	100
69) o-Xylene	12.16	106	88288	20.627	ug/l	100
70) Styrene	12.18	104	152258	20.552	ug/l	99
71) Bromoform	12.35	173	24057	20.768	ug/l #	100
73) Isopropylbenzene	12.46	105	256071	20.494	ug/l	99
74) N-amyl acetate	12.27	43	84122	22.284	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48242	21.060	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	39215m	24.147	ug/l	
77) Bromobenzene	12.74	156	54655	20.219	ug/l	99
78) n-propylbenzene	12.80	91	310511	20.356	ug/l	99
79) 2-Chlorotoluene	12.89	91	174101	20.104	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	213998	20.497	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15250	20.588	ug/l	98
82) 4-Chlorotoluene	12.99	91	181727	20.041	ug/l	100
83) tert-Butylbenzene	13.21	119	185522	20.977	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	211218	20.139	ug/l	99
85) sec-Butylbenzene	13.38	105	264009	20.836	ug/l	100
86) p-Isopropyltoluene	13.50	119	235561	20.817	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	107647	20.360	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	107638	20.503	ug/l	98
89) n-Butylbenzene	13.82	91	237330	21.091	ug/l	99
90) Hexachloroethane	14.09	117	39416	19.854	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	97512	21.023	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8435	21.843	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	71410	22.278	ug/l	99
94) Hexachlorobutadiene	15.24	225	45556	21.524	ug/l	98
95) Naphthalene	15.36	128	135648	24.024	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	62679	22.413	ug/l	99

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

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