

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012391.D
 Acq On : 31 Aug 2019 11:17
 Operator : SY/VA
 Sample : VW0831SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:42:08 AM

Quant Time: Aug 31 17:27:30 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	236238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	371191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	320272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156442	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	146754	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
35) Dibromofluoromethane	7.88	113	116769	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
50) Toluene-d8	10.32	98	465116	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.61	95	165588	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23390	16.080	ug/l	97
3) Chloromethane	2.21	50	43893	19.477	ug/l	99
4) Vinyl Chloride	2.35	62	53831	19.516	ug/l	97
5) Bromomethane	2.76	94	28348	20.293	ug/l	95
6) Chloroethane	2.92	64	31368	20.159	ug/l	96
7) Trichlorofluoromethane	3.25	101	31840	22.989	ug/l	94
8) Diethyl Ether	3.68	74	26160	19.899	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	47438	20.150	ug/l	96
10) Methyl Iodide	4.27	142	61992	19.461	ug/l	97
11) Tert butyl alcohol	5.16	59	18156	107.431	ug/l	100
12) 1,1-Dichloroethene	4.03	96	45060	19.016	ug/l	98
13) Acrolein	3.88	56	13441	84.490	ug/l	98
14) Allyl chloride	4.67	41	101237	19.984	ug/l	98
15) Acrylonitrile	5.37	53	67976	104.318	ug/l	99
16) Acetone	4.12	43	67094	93.464	ug/l	95
17) Carbon Disulfide	4.38	76	118242	16.511	ug/l	100
18) Methyl Acetate	4.67	43	39325	22.117	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	85353	22.274	ug/l	98
20) Methylene Chloride	4.91	84	54898	20.229	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	49963	19.663	ug/l	97
22) Diisopropyl ether	6.31	45	204176	21.744	ug/l	99
23) Vinyl Acetate	6.25	43	588545	101.847	ug/l	99
24) 1,1-Dichloroethane	6.21	63	106397	20.810	ug/l	98
25) 2-Butanone	7.16	43	93923	96.283	ug/l	98
26) 2,2-Dichloropropane	7.16	77	64250	22.202	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	56081	20.657	ug/l	98
28) Bromochloromethane	7.51	49	48565	21.794	ug/l	99
29) Tetrahydrofuran	7.53	42	59220	101.187	ug/l	98
30) Chloroform	7.67	83	101315	21.660	ug/l	100
31) Cyclohexane	7.95	56	94356	18.654	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	81738	22.089	ug/l	99
36) 1,1-Dichloropropene	8.08	75	79853	20.818	ug/l	100
37) Ethyl Acetate	7.25	43	43179	20.542	ug/l	99
38) Carbon Tetrachloride	8.07	117	71849	21.641	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	83948	19.481	ug/l	97
40) Benzene	8.32	78	217663	20.781	ug/l	99
41) Methacrylonitrile	7.48	41	26690	21.604	ug/l	96
42) 1,2-Dichloroethane	8.40	62	72482	22.080	ug/l	100
43) Isopropyl Acetate	8.42	43	81227	20.862	ug/l	99
44) Trichloroethene	9.09	130	53267	20.920	ug/l	92
45) 1,2-Dichloropropane	9.37	63	59557	21.128	ug/l	100
46) Dibromomethane	9.46	93	27137	21.637	ug/l	98
47) Bromodichloromethane	9.64	83	72208	21.632	ug/l	99
48) Methyl methacrylate	9.43	41	38142	20.583	ug/l	97
49) 1,4-Dioxane	9.44	88	7779	405.149	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	207721	104.890	ug/l	99
52) Toluene	10.39	92	134173	21.324	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	72056	21.192	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	86472	21.063	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	38717	21.818	ug/l	99
56) Ethyl methacrylate	10.65	69	53759	20.815	ug/l	99
57) 1,3-Dichloropropane	10.93	76	72097	21.500	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	139551	105.283	ug/l	99
59) 2-Hexanone	10.97	43	141176	100.751	ug/l	99
60) Dibromochloromethane	11.13	129	42166	21.333	ug/l	100
61) 1,2-Dibromoethane	11.23	107	34995	21.168	ug/l	99
64) Tetrachloroethene	10.86	164	44082	21.230	ug/l	97
65) Chlorobenzene	11.66	112	133369	21.148	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	48345	21.974	ug/l	99
67) Ethyl Benzene	11.73	91	260101	21.411	ug/l	99
68) m/p-Xylenes	11.84	106	189374	43.276	ug/l	98
69) o-Xylene	12.16	106	85161	21.027	ug/l	97
70) Styrene	12.18	104	149810	21.370	ug/l	99
71) Bromoform	12.35	173	23343	21.296	ug/l	# 98
73) Isopropylbenzene	12.46	105	246671	21.043	ug/l	99
74) N-amyl acetate	12.27	43	73400	20.725	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	44035	20.490	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	31770m	20.851	ug/l	
77) Bromobenzene	12.75	156	54071	21.321	ug/l	98
78) n-propylbenzene	12.80	91	301716	21.083	ug/l	99
79) 2-Chlorotoluene	12.89	91	172335	21.211	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	209911	21.430	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13807	19.869	ug/l	99
82) 4-Chlorotoluene	12.99	91	180008	21.159	ug/l	100
83) tert-Butylbenzene	13.21	119	179023	21.576	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	207949	21.134	ug/l	100
85) sec-Butylbenzene	13.38	105	253560	21.330	ug/l	100
86) p-Isopropyltoluene	13.50	119	231673	21.823	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	105397	21.248	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	103954	21.106	ug/l	99
89) n-Butylbenzene	13.82	91	226273	21.433	ug/l	100
90) Hexachloroethane	14.09	117	39783	21.359	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	94564	21.731	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7513	20.737	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62530	20.794	ug/l	100
94) Hexachlorobutadiene	15.24	225	45069	22.698	ug/l	99
95) Naphthalene	15.36	128	100131	19.823	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	53712	20.472	ug/l	99

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

