

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092419\
 Data File : VW013270.D
 Acq On : 24 Sep 2019 12:36
 Operator : SY/VA
 Sample : VW0924SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 12:37:50 AM

Quant Time: Sep 25 07:42:27 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	333888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	478048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	413361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	208592	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	130065	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
35) Dibromofluoromethane	7.88	113	127649	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
50) Toluene-d8	10.32	98	537311	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.62	95	187353	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	38562	20.022	ug/l	98
3) Chloromethane	2.21	50	48456	19.572	ug/l	96
4) Vinyl Chloride	2.35	62	63462	19.883	ug/l	93
5) Bromomethane	2.77	94	37562	18.570	ug/l	93
6) Chloroethane	2.91	64	35933	19.099	ug/l	99
7) Trichlorofluoromethane	3.25	101	33923	18.432	ug/l	95
8) Diethyl Ether	3.68	74	31071	19.765	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59639	19.903	ug/l	98
10) Methyl Iodide	4.26	142	91016	19.592	ug/l	99
11) Tert butyl alcohol	5.18	59	26368	129.548	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	61415	19.793	ug/l	92
13) Acrolein	3.89	56	16214	103.362	ug/l	97
14) Allyl chloride	4.67	41	96022	19.445	ug/l	99
15) Acrylonitrile	5.37	53	74946	110.453	ug/l	98
16) Acetone	4.12	43	63475	103.292	ug/l	99
17) Carbon Disulfide	4.38	76	172997	19.290	ug/l	99
18) Methyl Acetate	4.67	43	38055	22.030	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	97214	20.442	ug/l	99
20) Methylene Chloride	4.92	84	63608	18.403	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	66679	19.882	ug/l	98
22) Diisopropyl ether	6.31	45	184174	19.613	ug/l	96
23) Vinyl Acetate	6.25	43	569206	102.174	ug/l	98
24) 1,1-Dichloroethane	6.21	63	112903	19.925	ug/l	98
25) 2-Butanone	7.17	43	101668	110.210	ug/l	100
26) 2,2-Dichloropropane	7.16	77	71708	19.090	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	70206	19.837	ug/l	99
28) Bromochloromethane	7.51	49	36981	17.004	ug/l	99
29) Tetrahydrofuran	7.53	42	64000	113.127	ug/l	99
30) Chloroform	7.67	83	105486	19.014	ug/l	98
31) Cyclohexane	7.95	56	119803	20.282	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	88645	19.729	ug/l	97
36) 1,1-Dichloropropene	8.08	75	92606	20.000	ug/l	98
37) Ethyl Acetate	7.25	43	43894	22.305	ug/l	100
38) Carbon Tetrachloride	8.07	117	80698	19.442	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	120863	20.312	ug/l	96
40) Benzene	8.32	78	258891	20.046	ug/l	100
41) Methacrylonitrile	7.48	41	24240	20.639	ug/l	93
42) 1,2-Dichloroethane	8.40	62	66613	19.187	ug/l	99
43) Isopropyl Acetate	8.42	43	79651	21.119	ug/l	98
44) Trichloroethene	9.09	130	72387	19.977	ug/l	99
45) 1,2-Dichloropropane	9.37	63	62108	19.697	ug/l	98
46) Dibromomethane	9.46	93	30581	19.977	ug/l	99
47) Bromodichloromethane	9.65	83	73589	18.892	ug/l	98
48) Methyl methacrylate	9.44	41	37290	21.026	ug/l	97
49) 1,4-Dioxane	9.46	88	11588	504.291	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	211371	111.791	ug/l	99
52) Toluene	10.38	92	162187	19.594	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	80298	20.065	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	94991	19.522	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	44560	19.475	ug/l	96
56) Ethyl methacrylate	10.65	69	63974	21.364	ug/l	98
57) 1,3-Dichloropropane	10.93	76	79963	20.027	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	148653	107.231	ug/l	100
59) 2-Hexanone	10.97	43	147128	113.102	ug/l	100
60) Dibromochloromethane	11.13	129	51401	19.784	ug/l	100
61) 1,2-Dibromoethane	11.23	107	45606	20.963	ug/l	99
64) Tetrachloroethene	10.86	164	61976	19.761	ug/l	99
65) Chlorobenzene	11.66	112	169904	19.683	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	57342	19.445	ug/l	98
67) Ethyl Benzene	11.73	91	314174	20.088	ug/l	98
68) m/p-Xylenes	11.84	106	240207	40.305	ug/l	99
69) o-Xylene	12.16	106	110995	20.032	ug/l	97
70) Styrene	12.18	104	189735	19.946	ug/l	99
71) Bromoform	12.35	173	30772	19.752	ug/l #	98
73) Isopropylbenzene	12.46	105	307885	19.981	ug/l	99
74) N-amyl acetate	12.27	43	71510	20.914	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	54815	21.271	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	35490m	19.266	ug/l	
77) Bromobenzene	12.75	156	71157	19.487	ug/l	97
78) n-propylbenzene	12.80	91	364662	20.218	ug/l	99
79) 2-Chlorotoluene	12.89	91	203846	20.173	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	262696	20.281	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	17725	21.591	ug/l	99
82) 4-Chlorotoluene	12.99	91	212360	19.929	ug/l	100
83) tert-Butylbenzene	13.21	119	230687	20.291	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	262436	20.361	ug/l	97
85) sec-Butylbenzene	13.38	105	318393	20.313	ug/l	100
86) p-Isopropyltoluene	13.50	119	292982	20.153	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	137318	19.540	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	139297	20.211	ug/l	99
89) n-Butylbenzene	13.82	91	271177	20.429	ug/l	99
90) Hexachloroethane	14.09	117	47762	19.557	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	122159	20.093	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8810	22.351	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	94263	21.637	ug/l	99
94) Hexachlorobutadiene	15.24	225	61260	20.553	ug/l	99
95) Naphthalene	15.36	128	173393	24.335	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	82227	21.843	ug/l	99

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

