

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090719\
 Data File : VW012745.D
 Acq On : 08 Sep 2019 04:06
 Operator : SY/VA
 Sample : VW0907SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:03:22 PM

Quant Time: Sep 08 05:58:34 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	188920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	315886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	287650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	145408	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135972	64.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.84%	
35) Dibromofluoromethane	7.88	113	100837	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
50) Toluene-d8	10.32	98	384446	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.62	95	143187	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	18080	17.653	ug/l	99
3) Chloromethane	2.21	50	25550	20.527	ug/l	93
4) Vinyl Chloride	2.35	62	26881	17.614	ug/l	99
5) Bromomethane	2.78	94	18233	22.001	ug/l	97
6) Chloroethane	2.91	64	18183	19.966	ug/l	98
7) Trichlorofluoromethane	3.25	101	15651	14.861	ug/l	96
8) Diethyl Ether	3.68	74	21740	24.561	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	31318	18.949	ug/l	99
10) Methyl Iodide	4.27	142	47173	22.673	ug/l	99
11) Tert butyl alcohol	5.20	59	17679	109.465	ug/l	95
12) 1,1-Dichloroethene	4.04	96	30374	19.469	ug/l	92
13) Acrolein	3.90	56	10893	63.559	ug/l	97
14) Allyl chloride	4.66	41	67237	20.833	ug/l	99
15) Acrylonitrile	5.37	53	58705	113.551	ug/l	97
16) Acetone	4.13	43	50625	87.973	ug/l	94
17) Carbon Disulfide	4.38	76	67178	20.285	ug/l	99
18) Methyl Acetate	4.67	43	37509	27.782	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	74372	24.037	ug/l	100
20) Methylene Chloride	4.92	84	42737	23.738	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	34809	21.866	ug/l	97
22) Diisopropyl ether	6.31	45	155954	24.364	ug/l	98
23) Vinyl Acetate	6.26	43	440442	108.573	ug/l	99
24) 1,1-Dichloroethane	6.21	63	79138	22.961	ug/l	98
25) 2-Butanone	7.18	43	78870	105.435	ug/l	95
26) 2,2-Dichloropropane	7.17	77	38915	17.877	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	43450	23.540	ug/l	96
28) Bromochloromethane	7.51	49	34744	21.954	ug/l	94
29) Tetrahydrofuran	7.53	42	52019	111.939	ug/l	100
30) Chloroform	7.67	83	82363	24.113	ug/l	99
31) Cyclohexane	7.95	56	58389	18.818	ug/l	# 95
32) 1,1,1-Trichloroethane	7.87	97	60089	21.702	ug/l	99
36) 1,1-Dichloropropene	8.08	75	51597	18.383	ug/l	100
37) Ethyl Acetate	7.25	43	37250	20.819	ug/l	99
38) Carbon Tetrachloride	8.07	117	52181	18.860	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	50441	16.001	ug/l	97
40) Benzene	8.32	78	160441	20.603	ug/l	100
41) Methacrylonitrile	7.49	41	23720	21.844	ug/l	97
42) 1,2-Dichloroethane	8.40	62	61200	22.331	ug/l	98
43) Isopropyl Acetate	8.42	43	68863	20.315	ug/l	98
44) Trichloroethene	9.09	130	37900	18.881	ug/l	95
45) 1,2-Dichloropropane	9.37	63	40175	18.601	ug/l	99
46) Dibromomethane	9.46	93	21963	21.474	ug/l	98
47) Bromodichloromethane	9.64	83	59736	21.229	ug/l	98
48) Methyl methacrylate	9.43	41	33869	20.908	ug/l	94
49) 1,4-Dioxane	9.47	88	7764	384.308	ug/l #	71
51) 4-Methyl-2-Pentanone	10.21	43	180133	101.271	ug/l	99
52) Toluene	10.39	92	89695	18.454	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	55047	19.025	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	66410	20.233	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	33407	21.818	ug/l	98
56) Ethyl methacrylate	10.65	69	45651	20.367	ug/l	99
57) 1,3-Dichloropropane	10.93	76	61569	21.735	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	116197	97.653	ug/l	99
59) 2-Hexanone	10.97	43	122531	94.291	ug/l	98
60) Dibromochloromethane	11.13	129	39956	22.188	ug/l	97
61) 1,2-Dibromoethane	11.23	107	30764	21.915	ug/l	99
64) Tetrachloroethene	10.86	164	36465	20.892	ug/l	96
65) Chlorobenzene	11.65	112	108261	19.913	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	41306	20.402	ug/l	99
67) Ethyl Benzene	11.73	91	194657	19.083	ug/l	95
68) m/p-Xylenes	11.83	106	141399	38.404	ug/l	99
69) o-Xylene	12.16	106	69275	19.943	ug/l	98
70) Styrene	12.18	104	124061	20.212	ug/l	100
71) Bromoform	12.35	173	22743	20.218	ug/l #	98
73) Isopropylbenzene	12.46	105	188703	18.094	ug/l	100
74) N-amyl acetate	12.27	43	56622	17.105	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	36600	17.475	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	26710m	17.964	ug/l	
77) Bromobenzene	12.74	156	45142	19.105	ug/l	96
78) n-propylbenzene	12.80	91	217012	17.398	ug/l	99
79) 2-Chlorotoluene	12.89	91	135181	18.879	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	162500	18.491	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	11497	16.355	ug/l	93
82) 4-Chlorotoluene	12.99	91	142939	18.872	ug/l	100
83) tert-Butylbenzene	13.21	119	131917	16.977	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	163909	18.510	ug/l	99
85) sec-Butylbenzene	13.38	105	191852	17.793	ug/l	99
86) p-Isopropyltoluene	13.50	119	167853	17.043	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	86168	18.554	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	87919	19.025	ug/l	99
89) n-Butylbenzene	13.82	91	158379	16.564	ug/l	99
90) Hexachloroethane	14.09	117	31654	18.410	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	83034	19.864	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7111	18.552	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	55913	19.212	ug/l	98
94) Hexachlorobutadiene	15.24	225	33163	16.463	ug/l	98
95) Naphthalene	15.36	128	101656	19.623	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	51317	19.976	ug/l	98

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

