

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091019\
 Data File : VW012864.D
 Acq On : 10 Sep 2019 12:31
 Operator : SY/VA
 Sample : VW0910SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/11/2019 9:26:56 AM

Quant Time: Sep 10 15:15:51 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	216678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	321525	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	273463	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	138171	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	107839	44.54	ug/l	0.00
Spiked Amount			Recovery	=	89.08%	
35) Dibromofluoromethane	7.88	113	88468	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	
50) Toluene-d8	10.32	98	368679	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	12.61	95	127216	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	22661	19.292	ug/l	94
3) Chloromethane	2.21	50	29139	20.412	ug/l	90
4) Vinyl Chloride	2.36	62	37915	21.661	ug/l	99
5) Bromomethane	2.77	94	21938	23.081	ug/l	94
6) Chloroethane	2.91	64	22163	21.218	ug/l	92
7) Trichlorofluoromethane	3.25	101	24529	20.307	ug/l	100
8) Diethyl Ether	3.68	74	20680	20.370	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	36873	19.452	ug/l	96
10) Methyl Iodide	4.27	142	46992	19.693	ug/l	100
11) Tert butyl alcohol	5.20	59	20520m	110.779	ug/l	
12) 1,1-Dichloroethene	4.04	96	34841	19.471	ug/l	93
13) Acrolein	3.89	56	16788	85.406	ug/l	97
14) Allyl chloride	4.67	41	67378	18.202	ug/l	98
15) Acrylonitrile	5.36	53	54263	91.513	ug/l	98
16) Acetone	4.13	43	51729	78.375	ug/l	97
17) Carbon Disulfide	4.38	76	73324	19.305	ug/l	99
18) Methyl Acetate	4.67	43	27637	17.848	ug/l	95
19) Methyl tert-butyl Ether	5.41	73	69863	19.687	ug/l	93
20) Methylene Chloride	4.92	84	40702	19.712	ug/l	90
21) trans-1,2-Dichloroethene	5.41	96	36746	20.126	ug/l	91
22) Diisopropyl ether	6.31	45	138245	18.830	ug/l	97
23) Vinyl Acetate	6.25	43	433525	93.177	ug/l	98
24) 1,1-Dichloroethane	6.21	63	75876	19.195	ug/l	100
25) 2-Butanone	7.17	43	79221	94.782	ug/l	94
26) 2,2-Dichloropropane	7.16	77	52677	21.099	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	42502	20.076	ug/l	99
28) Bromochloromethane	7.51	49	30964	17.059	ug/l	89
29) Tetrahydrofuran	7.53	42	46128	86.546	ug/l	94
30) Chloroform	7.67	83	74504	19.017	ug/l	98
31) Cyclohexane	7.95	56	69750	19.600	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	61142	19.254	ug/l	99
36) 1,1-Dichloropropene	8.08	75	57479	20.120	ug/l	98
37) Ethyl Acetate	7.25	43	33434	18.359	ug/l	99
38) Carbon Tetrachloride	8.06	117	55191	19.598	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	67030	20.891	ug/l	94
40) Benzene	8.32	78	159020	20.062	ug/l	98
41) Methacrylonitrile	7.48	41	20046	18.788	ug/l	94
42) 1,2-Dichloroethane	8.40	62	53107	19.038	ug/l	97
43) Isopropyl Acetate	8.42	43	63563	18.422	ug/l	97
44) Trichloroethene	9.09	130	43351	21.218	ug/l	89
45) 1,2-Dichloropropane	9.37	63	42623	19.388	ug/l	95
46) Dibromomethane	9.46	93	21132	20.299	ug/l	98
47) Bromodichloromethane	9.64	83	54620	19.071	ug/l	97
48) Methyl methacrylate	9.44	41	29673	17.996	ug/l	97
49) 1,4-Dioxane	9.47	88	7244	352.280	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	164664	90.951	ug/l	97
52) Toluene	10.39	92	99419	20.096	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	56752	19.270	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	64469	19.297	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	30645	19.663	ug/l	96
56) Ethyl methacrylate	10.65	69	43777	19.189	ug/l	98
57) 1,3-Dichloropropane	10.93	76	55702	19.319	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	113770	93.936	ug/l	97
59) 2-Hexanone	10.97	43	114044	86.221	ug/l	97
60) Dibromochloromethane	11.13	129	35696	19.475	ug/l	99
61) 1,2-Dibromoethane	11.23	107	29057	20.336	ug/l	98
64) Tetrachloroethene	10.87	164	36207	21.820	ug/l	88
65) Chlorobenzene	11.66	112	107960	20.888	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	39035	20.280	ug/l	98
67) Ethyl Benzene	11.73	91	199193	20.541	ug/l	99
68) m/p-Xylenes	11.84	106	146216	41.772	ug/l	98
69) o-Xylene	12.16	106	68396	20.712	ug/l	98
70) Styrene	12.18	104	120381	20.629	ug/l	98
71) Bromoform	12.35	173	21226	19.849	ug/l #	97
73) Isopropylbenzene	12.46	105	201125	20.295	ug/l	100
74) N-amyl acetate	12.27	43	57162	18.172	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	37012	18.597	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	32092m	22.714	ug/l	
77) Bromobenzene	12.75	156	46010	20.493	ug/l	92
78) n-propylbenzene	12.80	91	234443	19.780	ug/l	99
79) 2-Chlorotoluene	12.89	91	133641	19.641	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	167848	20.100	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	11918	17.841	ug/l	98
82) 4-Chlorotoluene	12.99	91	141148	19.612	ug/l	99
83) tert-Butylbenzene	13.21	119	149417	20.236	ug/l	96
84) 1,2,4-Trimethylbenzene	13.25	105	168905	20.074	ug/l	98
85) sec-Butylbenzene	13.38	105	204232	19.933	ug/l	99
86) p-Isopropyltoluene	13.50	119	187494	20.034	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	88584	20.073	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	88617	20.180	ug/l	100
89) n-Butylbenzene	13.82	91	177048	19.486	ug/l	100
90) Hexachloroethane	14.09	117	30857	18.887	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	80179	20.186	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6407	17.591	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	57488	20.788	ug/l	98
94) Hexachlorobutadiene	15.24	225	38954	20.351	ug/l	97
95) Naphthalene	15.36	128	100389	20.219	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	49138	20.130	ug/l	100

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

