

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011719\
 Data File : VW008323.D
 Acq On : 17 Jan 2019 12:47
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 2:09:19 PM

Quant Time: Jan 18 00:37:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:24:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	107071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	178705	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	165843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83096	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	6100	5.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.96%	
35) Dibromofluoromethane	7.88	113	5747	5.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.08%	
50) Toluene-d8	10.32	98	22444	5.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.02%	
62) 4-Bromofluorobenzene	12.62	95	8710	5.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	3560	5.277	ug/l	78
3) Chloromethane	2.21	50	6068	6.136	ug/l	97
4) Vinyl Chloride	2.37	62	7215	5.710	ug/l	99
5) Bromomethane	2.79	94	5103	5.329	ug/l	86
6) Chloroethane	2.93	64	3945	4.770	ug/l #	81
7) Trichlorofluoromethane	3.25	101	4671	5.034	ug/l	98
8) Diethyl Ether	3.67	74	3809	5.920	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.06	101	5716	5.292	ug/l	96
10) Methyl Iodide	4.25	142	9095	5.221	ug/l #	85
11) Tert butyl alcohol	5.16	59	2291m	29.757	ug/l	
12) 1,1-Dichloroethene	4.03	96	5731	5.216	ug/l	89
13) Acrolein	3.88	56	1472m	22.258	ug/l	
14) Allyl chloride	4.67	41	9183	5.000	ug/l	97
15) Acrylonitrile	5.36	53	6201	25.090	ug/l	98
16) Acetone	4.12	43	7538	29.142	ug/l	100
17) Carbon Disulfide	4.37	76	17858	5.342	ug/l	98
18) Methyl Acetate	4.67	43	3947	5.712	ug/l	91
19) Methyl tert-butyl Ether	5.43	73	8550	5.084	ug/l	95
20) Methylene Chloride	4.91	84	9597	6.987	ug/l	89
21) trans-1,2-Dichloroethene	5.42	96	6601	5.350	ug/l	88
22) Diisopropyl ether	6.31	45	17608	4.911	ug/l	97
23) Vinyl Acetate	6.25	43	41914	21.867	ug/l	96
24) 1,1-Dichloroethane	6.21	63	11590	5.308	ug/l	98
25) 2-Butanone	7.18	43	8295	25.038	ug/l	90
26) 2,2-Dichloropropane	7.15	77	7932	5.693	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	6829	5.108	ug/l	94
28) Bromochloromethane	7.50	49	4805	5.342	ug/l #	98
29) Tetrahydrofuran	7.52	42	4945	23.943	ug/l	92
30) Chloroform	7.67	83	10913	5.052	ug/l	95
31) Cyclohexane	7.95	56	12489	6.004	ug/l #	83
32) 1,1,1-Trichloroethane	7.86	97	9747	5.376	ug/l	95
36) 1,1-Dichloropropene	8.08	75	9145	5.086	ug/l	99
37) Ethyl Acetate	7.26	43	4168	5.622	ug/l #	93
38) Carbon Tetrachloride	8.06	117	9011	5.076	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	10226	4.782	ug/l	95
40) Benzene	8.32	78	25449	4.997	ug/l	100
41) Methacrylonitrile	7.48	41	2266	5.250	ug/l #	89
42) 1,2-Dichloroethane	8.40	62	7364	5.171	ug/l	99
43) Isopropyl Acetate	8.43	43	6741	4.813	ug/l	96
44) Trichloroethene	9.09	130	7146	5.121	ug/l	100
45) 1,2-Dichloropropane	9.37	63	6349	5.019	ug/l #	87
46) Dibromomethane	9.46	93	3495	5.301	ug/l	91
47) Bromodichloromethane	9.65	83	7620	4.685	ug/l	99
48) Methyl methacrylate	9.43	41	3049	4.625	ug/l	96
49) 1,4-Dioxane	9.45	88	1155	108.816	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	16558	23.349	ug/l	91
52) Toluene	10.39	92	15702	4.872	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	7651	4.713	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	8779	4.588	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	4665	5.101	ug/l	96
56) Ethyl methacrylate	10.65	69	4573	4.258	ug/l	96
57) 1,3-Dichloropropane	10.93	76	7845	4.941	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	10650	20.557	ug/l	95
59) 2-Hexanone	10.97	43	10486	21.104	ug/l	91
60) Dibromochloromethane	11.13	129	5007	4.587	ug/l	99
61) 1,2-Dibromoethane	11.23	107	4171	4.710	ug/l	98
64) Tetrachloroethene	10.86	164	5625	4.837	ug/l	98
65) Chlorobenzene	11.66	112	17970	4.968	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	6253	5.022	ug/l	96
67) Ethyl Benzene	11.73	91	30247	4.816	ug/l	98
68) m/p-Xylenes	11.85	106	23422	9.607	ug/l	100
69) o-Xylene	12.17	106	10436	4.582	ug/l	99
70) Styrene	12.18	104	16298	4.455	ug/l	96
71) Bromoform	12.35	173	2700	4.353	ug/l #	99
73) Isopropylbenzene	12.46	105	27414	4.528	ug/l	99
74) N-amyl acetate	12.27	43	5731	4.417	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	5183	5.033	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	3546m	4.390	ug/l	
77) Bromobenzene	12.75	156	7022	4.828	ug/l	99
78) n-propylbenzene	12.80	91	34161	4.661	ug/l	99
79) 2-Chlorotoluene	12.90	91	20523	4.901	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	23209	4.594	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	1485	4.683	ug/l	99
82) 4-Chlorotoluene	12.99	91	21617	4.941	ug/l	99
83) tert-Butylbenzene	13.21	119	21077	4.740	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	24815	4.821	ug/l	98
85) sec-Butylbenzene	13.39	105	31509	4.935	ug/l	99
86) p-Isopropyltoluene	13.51	119	26286	4.714	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	14859	5.142	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	15135	5.228	ug/l	96
89) n-Butylbenzene	13.83	91	25277	4.726	ug/l	97
90) Hexachloroethane	14.10	117	4996	4.841	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	12712	4.983	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	935	5.552	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	7694	4.455	ug/l	99
94) Hexachlorobutadiene	15.24	225	4479	4.602	ug/l	90
95) Naphthalene	15.38	128	11658	4.040	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.56	180	7074	4.703	ug/l	99

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

