

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030719\
 Data File : VW009032.D
 Acq On : 07 Mar 2019 11:21
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:07:05 PM

Quant Time: Mar 08 03:33:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 03:11:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	292201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	410797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	406110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	223171	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	27578	9.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.42%	
35) Dibromofluoromethane	7.88	113	22384	9.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.06%	
50) Toluene-d8	10.32	98	95504	9.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.64%	
62) 4-Bromofluorobenzene	12.62	95	37507	9.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	32272	10.975	ug/l	98
3) Chloromethane	2.21	50	37757	10.204	ug/l	94
4) Vinyl Chloride	2.35	62	37716	9.928	ug/l	97
5) Bromomethane	2.76	94	36696	11.342	ug/l	98
6) Chloroethane	2.91	64	26110	9.613	ug/l	99
7) Trichlorofluoromethane	3.26	101	47431	9.773	ug/l	92
8) Diethyl Ether	3.68	74	13967	9.542	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	29864	9.894	ug/l	98
10) Methyl Iodide	4.27	142	20258	7.063	ug/l	97
11) Tert butyl alcohol	5.19	59	12127	57.956	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	24947	9.495	ug/l	96
13) Acrolein	3.90	56	13750	54.891	ug/l	97
14) Allyl chloride	4.67	41	41964	9.211	ug/l	99
15) Acrylonitrile	5.37	53	33777	51.171	ug/l	96
16) Acetone	4.14	43	33580	50.165	ug/l	95
17) Carbon Disulfide	4.38	76	83829	9.521	ug/l	97
18) Methyl Acetate	4.68	43	14755	9.590	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	65085	9.396	ug/l	92
20) Methylene Chloride	4.92	84	45339	11.898	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	29312	9.658	ug/l	89
22) Diisopropyl ether	6.31	45	84648	9.226	ug/l	89
23) Vinyl Acetate	6.26	43	266710	46.638	ug/l	98
24) 1,1-Dichloroethane	6.22	63	49810	9.362	ug/l #	95
25) 2-Butanone	7.17	43	45266	49.816	ug/l	95
26) 2,2-Dichloropropane	7.17	77	47798	9.832	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	30496	9.435	ug/l	98
28) Bromochloromethane	7.52	49	21239	9.645	ug/l	99
29) Tetrahydrofuran	7.54	42	27560	47.307	ug/l	98
30) Chloroform	7.68	83	50879	9.358	ug/l	100
31) Cyclohexane	7.95	56	55210	10.199	ug/l #	91
32) 1,1,1-Trichloroethane	7.87	97	48835	9.754	ug/l	99
36) 1,1-Dichloropropene	8.08	75	42341	9.962	ug/l	97
37) Ethyl Acetate	7.26	43	20633	10.333	ug/l #	97
38) Carbon Tetrachloride	8.07	117	44211	10.036	ug/l	95

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

39) Methylcyclohexane	9.34	83	47642	9.358	ug/l	98
40) Benzene	8.32	78	108422	9.593	ug/l	97
41) Methacrylonitrile	7.48	41	11473m	10.902	ug/l	
42) 1,2-Dichloroethane	8.40	62	35825	9.727	ug/l	100
43) Isopropyl Acetate	8.43	43	36189	9.688	ug/l	97
44) Trichloroethene	9.09	130	32020	10.077	ug/l	96
45) 1,2-Dichloropropane	9.37	63	27639	9.831	ug/l	98
46) Dibromomethane	9.46	93	15170	9.715	ug/l	94
47) Bromodichloromethane	9.64	83	39038	9.919	ug/l	92
48) Methyl methacrylate	9.44	41	16235	9.217	ug/l	95
49) 1,4-Dioxane	9.46	88	4896	213.569	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	93692	49.213	ug/l	100
52) Toluene	10.39	92	75046	9.736	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	36579	9.346	ug/l	90
54) cis-1,3-Dichloropropene	10.07	75	42850	9.595	ug/l	98
55) 1,1,2-Trichloroethane	10.78	97	20718	9.791	ug/l	93
56) Ethyl methacrylate	10.65	69	24653	9.291	ug/l	98
57) 1,3-Dichloropropane	10.93	76	37198	9.902	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	67625	49.052	ug/l	98
59) 2-Hexanone	10.97	43	66436	49.428	ug/l	99
60) Dibromochloromethane	11.13	129	25243	9.710	ug/l	97
61) 1,2-Dibromoethane	11.23	107	20511	9.974	ug/l	97
64) Tetrachloroethene	10.86	164	29186	9.899	ug/l	94
65) Chlorobenzene	11.66	112	85932	9.822	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	27872	9.556	ug/l	99
67) Ethyl Benzene	11.73	91	148285	9.433	ug/l	98
68) m/p-Xylenes	11.84	106	118345	19.049	ug/l	97
69) o-Xylene	12.16	106	55084	9.511	ug/l	98
70) Styrene	12.18	104	85733	9.093	ug/l	99
71) Bromoform	12.35	173	14592	9.226	ug/l #	97
73) Isopropylbenzene	12.46	105	146817	9.258	ug/l	98
74) N-amyl acetate	12.27	43	33837	8.926	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	25850	10.248	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	18353m	7.386	ug/l	
77) Bromobenzene	12.75	156	35707	9.847	ug/l	96
78) n-propylbenzene	12.80	91	182205	9.359	ug/l	100
79) 2-Chlorotoluene	12.90	91	104776	9.578	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	127090	9.298	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	7497	9.584	ug/l	97
82) 4-Chlorotoluene	12.99	91	107953	9.261	ug/l	97
83) tert-Butylbenzene	13.21	119	107266	9.343	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	125336	9.084	ug/l	100
85) sec-Butylbenzene	13.38	105	158551	9.320	ug/l	99
86) p-Isopropyltoluene	13.50	119	139326	9.137	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	72146	9.488	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	74175	9.875	ug/l	98
89) n-Butylbenzene	13.83	91	129766	8.927	ug/l	99
90) Hexachloroethane	14.10	117	23942	9.115	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	66574	9.995	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4760	10.165	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	42376	9.304	ug/l	99
94) Hexachlorobutadiene	15.24	225	27834	9.777	ug/l	99
95) Naphthalene	15.37	128	66303	8.787	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	38666	9.668	ug/l	98

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

