

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010819\
 Data File : VW008086.D
 Acq On : 08 Jan 2019 15:36
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 11:07:41 AM

Quant Time: Jan 09 03:56:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 03:11:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	77928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	142342	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	128101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	61184	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	10028	11.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.10%	
35) Dibromofluoromethane	7.88	113	8412	9.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.06%	
50) Toluene-d8	10.32	98	36800	10.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.74%	
62) 4-Bromofluorobenzene	12.62	95	13596	10.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.18%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	7032	10.218	ug/l	88
3) Chloromethane	2.21	50	9295	16.294	ug/l	93
4) Vinyl Chloride	2.37	62	11758	15.846	ug/l	100
5) Bromomethane	2.79	94	8298	17.204	ug/l	99
6) Chloroethane	2.93	64	8030	19.484	ug/l	97
7) Trichlorofluoromethane	3.26	101	9101	12.734	ug/l	97
8) Diethyl Ether	3.68	74	5377	14.349	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.07	101	9447	11.564	ug/l	93
10) Methyl Iodide	4.27	142	13031	10.029	ug/l	97
11) Tert butyl alcohol	5.26	59	3925m	68.943	ug/l	
12) 1,1-Dichloroethene	4.04	96	9096	11.509	ug/l	92
13) Acrolein	3.89	56	2643	62.788	ug/l	97
14) Allyl chloride	4.67	41	16172	14.248	ug/l	96
15) Acrylonitrile	5.38	53	10337	75.054	ug/l	98
16) Acetone	4.15	43	10972	79.391	ug/l	93
17) Carbon Disulfide	4.37	76	26960	11.147	ug/l	100
18) Methyl Acetate	4.68	43	5420	14.316	ug/l #	76
19) Methyl tert-butyl Ether	5.43	73	15504	12.450	ug/l	95
20) Methylene Chloride	4.91	84	11752	12.673	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	10083	11.736	ug/l	95
22) Diisopropyl ether	6.31	45	31408	15.291	ug/l	96
23) Vinyl Acetate	6.26	43	81092	71.474	ug/l	99
24) 1,1-Dichloroethane	6.21	63	18512	12.766	ug/l	99
25) 2-Butanone	7.18	43	13239	78.429	ug/l	91
26) 2,2-Dichloropropane	7.16	77	13270	11.479	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	11009	11.998	ug/l	98
28) Bromochloromethane	7.51	49	7484	15.184	ug/l	99
29) Tetrahydrofuran	7.54	42	9126	85.023	ug/l	98
30) Chloroform	7.68	83	17758	11.201	ug/l	94
31) Cyclohexane	7.96	56	19755	14.187	ug/l #	92
32) 1,1,1-Trichloroethane	7.87	97	15249	10.236	ug/l	98
36) 1,1-Dichloropropene	8.08	75	14712	10.557	ug/l	98
37) Ethyl Acetate	7.26	43	5909	13.297	ug/l #	91
38) Carbon Tetrachloride	8.07	117	13533	8.435	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	18781	10.754	ug/l	97
40) Benzene	8.32	78	41032	11.075	ug/l	94
41) Methacrylonitrile	7.49	41	3984	15.631	ug/l	90
42) 1,2-Dichloroethane	8.40	62	11759	9.799	ug/l	99
43) Isopropyl Acetate	8.42	43	12469	14.197	ug/l	97
44) Trichloroethene	9.10	130	10292	9.662	ug/l	93
45) 1,2-Dichloropropane	9.37	63	10177	12.384	ug/l	96
46) Dibromomethane	9.46	93	5017	10.804	ug/l	97
47) Bromodichloromethane	9.64	83	12404	9.621	ug/l	97
48) Methyl methacrylate	9.44	41	5705	12.860	ug/l	97
49) 1,4-Dioxane	9.46	88	1576	226.654	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	30336	73.597	ug/l	97
52) Toluene	10.39	92	25825	10.574	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	12857	10.239	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	15119	10.690	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	7413	11.757	ug/l	97
56) Ethyl methacrylate	10.65	69	7864	10.753	ug/l	94
57) 1,3-Dichloropropane	10.93	76	13252	12.106	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	20683	57.917	ug/l	100
59) 2-Hexanone	10.97	43	19518	68.810	ug/l	97
60) Dibromochloromethane	11.13	129	7093	8.411	ug/l	98
61) 1,2-Dibromoethane	11.24	107	6733	10.665	ug/l	96
64) Tetrachloroethene	10.86	164	7916	9.267	ug/l	99
65) Chlorobenzene	11.66	112	27788	10.342	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	8517	8.869	ug/l	96
67) Ethyl Benzene	11.73	91	50690	10.554	ug/l	99
68) m/p-Xylenes	11.84	106	38352	20.708	ug/l	99
69) o-Xylene	12.17	106	17585	10.209	ug/l	96
70) Styrene	12.18	104	26978	9.633	ug/l	100
71) Bromoform	12.35	173	3591	8.105	ug/l #	91
73) Isopropylbenzene	12.47	105	48713	10.171	ug/l	99
74) N-amyl acetate	12.27	43	10349	12.989	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	8127	12.863	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	4480m	9.113	ug/l	
77) Bromobenzene	12.75	156	10070	9.868	ug/l	99
78) n-propylbenzene	12.81	91	60200	10.721	ug/l	100
79) 2-Chlorotoluene	12.90	91	34320	10.649	ug/l	95
80) 1,3,5-Trimethylbenzene	12.94	105	40224	9.827	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	2447	11.694	ug/l	89
82) 4-Chlorotoluene	12.99	91	36320	10.606	ug/l	99
83) tert-Butylbenzene	13.21	119	35632	9.911	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	42387	10.174	ug/l	96
85) sec-Butylbenzene	13.39	105	52175	10.455	ug/l	100
86) p-Isopropyltoluene	13.51	119	44685	9.983	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	20382	9.817	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	21770	10.569	ug/l	97
89) n-Butylbenzene	13.83	91	45059	10.894	ug/l	98
90) Hexachloroethane	14.10	117	7010	9.054	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	18576	10.165	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1320	10.619	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	11633	9.226	ug/l	98
94) Hexachlorobutadiene	15.24	225	5982	8.277	ug/l	95
95) Naphthalene	15.37	128	21742	9.948	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	10087	9.615	ug/l	99

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

