

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010819\
 Data File : VW008085.D
 Acq On : 08 Jan 2019 14:45
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 11:07:32 AM

Quant Time: Jan 09 03:57:21 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	84358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	145424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	126405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	62196	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	4866	5.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.36%	
35) Dibromofluoromethane	7.88	113	4455	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
50) Toluene-d8	10.32	98	18723	5.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.82%	
62) 4-Bromofluorobenzene	12.62	95	7109	5.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	3261	4.377	ug/l	86
3) Chloromethane	2.21	50	4988	8.077	ug/l	99
4) Vinyl Chloride	2.36	62	6367	7.927	ug/l	90
5) Bromomethane	2.79	94	4323	8.280	ug/l	99
6) Chloroethane	2.93	64	4055	9.089	ug/l	89
7) Trichlorofluoromethane	3.26	101	4733	6.118	ug/l	96
8) Diethyl Ether	3.68	74	3075	7.581	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.07	101	5168	5.844	ug/l #	73
10) Methyl Iodide	4.26	142	7041	5.006	ug/l	96
11) Tert butyl alcohol	5.25	59	1846m	29.954	ug/l	
12) 1,1-Dichloroethene	4.04	96	5053	5.906	ug/l	82
13) Acrolein	3.89	56	1053	23.109	ug/l	92
14) Allyl chloride	4.67	41	8442	6.871	ug/l	99
15) Acrylonitrile	5.38	53	5049	33.865	ug/l #	60
16) Acetone	4.15	43	5517	36.877	ug/l #	78
17) Carbon Disulfide	4.37	76	15169	5.794	ug/l	99
18) Methyl Acetate	4.68	43	3081	7.518	ug/l	94
19) Methyl tert-butyl Ether	5.43	73	7702	5.714	ug/l #	88
20) Methylene Chloride	4.91	84	6889	6.862	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	5183	5.573	ug/l	94
22) Diisopropyl ether	6.31	45	16516	7.428	ug/l	94
23) Vinyl Acetate	6.26	43	40956	33.347	ug/l #	94
24) 1,1-Dichloroethane	6.21	63	10087	6.426	ug/l	94
25) 2-Butanone	7.18	43	7264	39.752	ug/l	91
26) 2,2-Dichloropropane	7.16	77	6911	5.523	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	5726	5.765	ug/l	99
28) Bromochloromethane	7.51	49	4249	7.963	ug/l	92
29) Tetrahydrofuran	7.54	42	4452	38.316	ug/l	98
30) Chloroform	7.67	83	9011	5.251	ug/l	92
31) Cyclohexane	7.96	56	12066	8.005	ug/l #	89
32) 1,1,1-Trichloroethane	7.88	97	7991	4.955	ug/l	99
36) 1,1-Dichloropropene	8.08	75	8229	5.780	ug/l	98
37) Ethyl Acetate	7.25	43	3305	7.279	ug/l #	93
38) Carbon Tetrachloride	8.07	117	7046	4.299	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	10123	5.673	ug/l	94
40) Benzene	8.32	78	20780	5.490	ug/l	92
41) Methacrylonitrile	7.49	41	2209	8.483	ug/l #	71
42) 1,2-Dichloroethane	8.40	62	6084	4.962	ug/l	97
43) Isopropyl Acetate	8.43	43	5828	6.495	ug/l	98
44) Trichloroethene	9.09	130	5421	4.981	ug/l	95
45) 1,2-Dichloropropane	9.37	63	5135	6.116	ug/l #	87
46) Dibromomethane	9.46	93	2558	5.392	ug/l	97
47) Bromodichloromethane	9.64	83	6339	4.812	ug/l	91
48) Methyl methacrylate	9.44	41	2604	5.745	ug/l #	90
49) 1,4-Dioxane	9.48	88	882	124.158	ug/l #	68
51) 4-Methyl-2-Pentanone	10.21	43	15340	36.427	ug/l	99
52) Toluene	10.39	92	13609	5.454	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	6204	4.836	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	7633	5.283	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	3446	5.350	ug/l	94
56) Ethyl methacrylate	10.65	69	4058	5.431	ug/l	96
57) 1,3-Dichloropropane	10.93	76	6312	5.644	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	10804	29.613	ug/l	99
59) 2-Hexanone	10.97	43	9877	34.083	ug/l	96
60) Dibromochloromethane	11.13	129	3471	4.029	ug/l	97
61) 1,2-Dibromoethane	11.24	107	3145	4.876	ug/l	93
64) Tetrachloroethene	10.87	164	4757	5.644	ug/l #	86
65) Chlorobenzene	11.66	112	14432	5.443	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	4636	4.892	ug/l	96
67) Ethyl Benzene	11.73	91	26181	5.524	ug/l	97
68) m/p-Xylenes	11.84	106	20365	11.144	ug/l	94
69) o-Xylene	12.17	106	9129	5.371	ug/l	100
70) Styrene	12.18	104	13454	4.869	ug/l	98
71) Bromoform	12.35	173	1762	4.030	ug/l #	90
73) Isopropylbenzene	12.47	105	25398	5.217	ug/l	97
74) N-amyl acetate	12.28	43	5336	6.588	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	3952	6.153	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	3175m	6.353	ug/l	
77) Bromobenzene	12.75	156	5605	5.403	ug/l	90
78) n-propylbenzene	12.80	91	31512	5.521	ug/l	98
79) 2-Chlorotoluene	12.89	91	17176	5.243	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	20369	4.895	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	1073	5.044	ug/l	86
82) 4-Chlorotoluene	12.99	91	18614	5.347	ug/l	99
83) tert-Butylbenzene	13.21	119	18115	4.957	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	21608	5.102	ug/l	97
85) sec-Butylbenzene	13.39	105	27578	5.436	ug/l	99
86) p-Isopropyltoluene	13.50	119	23586	5.184	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	11235	5.324	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	11004	5.256	ug/l	91
89) n-Butylbenzene	13.83	91	22707	5.401	ug/l	98
90) Hexachloroethane	14.10	117	3954	5.024	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	9533	5.131	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	619	4.898	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	6282	4.901	ug/l	94
94) Hexachlorobutadiene	15.25	225	3143	4.278	ug/l	93
95) Naphthalene	15.38	128	10665	4.800	ug/l	96
96) 1,2,3-Trichlorobenzene	15.56	180	5100	4.782	ug/l	94

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

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