

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091419\
 Data File : VW012952.D
 Acq On : 13 Sep 2019 14:05
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 12:43:36 AM

Quant Time: Sep 13 17:05:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 16:59:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	283947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416515	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	360021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	180953	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	13785	5.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.52%	
35) Dibromofluoromethane	7.88	113	11940	5.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.56%	
50) Toluene-d8	10.32	98	45535	5.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.30%	
62) 4-Bromofluorobenzene	12.62	95	17461	5.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	6457	5.319	ug/l	91
3) Chloromethane	2.21	50	8267	5.325	ug/l	96
4) Vinyl Chloride	2.36	62	9877	4.860	ug/l	96
5) Bromomethane	2.78	94	6855	5.523	ug/l	82
6) Chloroethane	2.92	64	5931	4.758	ug/l	99
7) Trichlorofluoromethane	3.26	101	6620	4.658	ug/l	96
8) Diethyl Ether	3.68	74	5542	4.994	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	11676	5.417	ug/l	98
10) Methyl Iodide	4.27	142	12461	4.619	ug/l	98
11) Tert butyl alcohol	5.15	59	6832	33.239	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	9846	5.024	ug/l	96
13) Acrolein	3.88	56	3360	17.467	ug/l	92
14) Allyl chloride	4.65	41	17902	4.811	ug/l	99
15) Acrylonitrile	5.36	53	13735	24.232	ug/l	94
16) Acetone	4.12	43	18750	30.098	ug/l	100
17) Carbon Disulfide	4.37	76	17284	4.425	ug/l	96
18) Methyl Acetate	4.66	43	9147	6.122	ug/l #	74
19) Methyl tert-butyl Ether	5.42	73	19195	4.961	ug/l	92
20) Methylene Chloride	4.92	84	15808	6.413	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	10889	5.187	ug/l	94
22) Diisopropyl ether	6.31	45	38296	4.954	ug/l	98
23) Vinyl Acetate	6.25	43	105196	22.722	ug/l	98
24) 1,1-Dichloroethane	6.21	63	22981	5.156	ug/l	95
25) 2-Butanone	7.17	43	21768	26.105	ug/l	94
26) 2,2-Dichloropropane	7.16	77	18840	5.962	ug/l	93
27) cis-1,2-Dichloroethene	7.17	96	12691	5.050	ug/l	91
28) Bromochloromethane	7.51	49	9841	5.246	ug/l #	97
29) Tetrahydrofuran	7.53	42	11263	23.705	ug/l	96
30) Chloroform	7.68	83	24304	5.367	ug/l	91
31) Cyclohexane	7.95	56	23385	6.158	ug/l #	83
32) 1,1,1-Trichloroethane	7.87	97	19220	5.154	ug/l	94
36) 1,1-Dichloropropene	8.08	75	16934	5.088	ug/l	96
37) Ethyl Acetate	7.26	43	9019	5.105	ug/l	99
38) Carbon Tetrachloride	8.06	117	17049	4.999	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	17535	4.808	ug/l	98
40) Benzene	8.32	78	46474	5.002	ug/l	96
41) Methacrylonitrile	7.48	41	5822	5.004	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	16019	5.143	ug/l	100
43) Isopropyl Acetate	8.42	43	16371	4.826	ug/l	99
44) Trichloroethene	9.09	130	12930	5.080	ug/l	89
45) 1,2-Dichloropropane	9.37	63	12526	5.074	ug/l	97
46) Dibromomethane	9.46	93	5869	4.962	ug/l	97
47) Bromodichloromethane	9.64	83	16027	4.831	ug/l	93
48) Methyl methacrylate	9.43	41	7224	4.538	ug/l	99
49) 1,4-Dioxane	9.44	88	2075	104.704	ug/l #	61
51) 4-Methyl-2-Pentanone	10.21	43	41723	23.825	ug/l	99
52) Toluene	10.38	92	29133	4.934	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	15901	4.766	ug/l	90
54) cis-1,3-Dichloropropene	10.07	75	17919	4.694	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	9125	5.065	ug/l	97
56) Ethyl methacrylate	10.65	69	10760	4.437	ug/l #	94
57) 1,3-Dichloropropane	10.93	76	16090	5.034	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	30696	23.595	ug/l	96
59) 2-Hexanone	10.97	43	28367	23.263	ug/l	100
60) Dibromochloromethane	11.13	129	10792	4.954	ug/l	95
61) 1,2-Dibromoethane	11.23	107	7942	4.832	ug/l	92
64) Tetrachloroethene	10.86	164	11131	5.197	ug/l	93
65) Chlorobenzene	11.66	112	34575	5.392	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	12842	5.226	ug/l	96
67) Ethyl Benzene	11.73	91	59373	5.013	ug/l	100
68) m/p-Xylenes	11.84	106	42295	9.775	ug/l	97
69) o-Xylene	12.16	106	20226	4.986	ug/l	98
70) Styrene	12.18	104	34980	4.848	ug/l	99
71) Bromoform	12.35	173	6157	4.770	ug/l #	99
73) Isopropylbenzene	12.46	105	58857	4.907	ug/l	100
74) N-amyl acetate	12.27	43	14542	4.713	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	10639	5.050	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	8899m	5.829	ug/l	
77) Bromobenzene	12.74	156	14456	5.232	ug/l	97
78) n-propylbenzene	12.80	91	70465	4.994	ug/l	99
79) 2-Chlorotoluene	12.89	91	41419	5.107	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	51876	5.112	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	3366	4.817	ug/l	97
82) 4-Chlorotoluene	12.99	91	44859	5.242	ug/l	99
83) tert-Butylbenzene	13.21	119	46863	5.163	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	50742	5.061	ug/l	99
85) sec-Butylbenzene	13.38	105	63693	5.151	ug/l	99
86) p-Isopropyltoluene	13.50	119	58000	5.109	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	29851	5.457	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	29208	5.434	ug/l	92
89) n-Butylbenzene	13.82	91	54016	5.045	ug/l	99
90) Hexachloroethane	14.09	117	10694	5.256	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	25940	5.393	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.48	75	2012	5.218	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	16913	4.930	ug/l	96
94) Hexachlorobutadiene	15.23	225	13397	5.517	ug/l	96
95) Naphthalene	15.36	128	24447	4.265	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	15461	5.098	ug/l	98

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

