

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091419\
 Data File : VW012953.D
 Acq On : 13 Sep 2019 14:32
 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
 9/16/2019 12:44:08 AM

Quant Time: Sep 13 17:07:11 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	266050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	385632	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	331195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	170170	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	26031	10.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.18%	
35) Dibromofluoromethane	7.88	113	21604	10.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.64%	
50) Toluene-d8	10.32	98	81511	9.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.90%	
62) 4-Bromofluorobenzene	12.62	95	29858	10.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.28%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	12846	11.294	ug/l 99
3) Chloromethane	2.21	50	18992	13.056	ug/l 99
4) Vinyl Chloride	2.35	62	23555	12.369	ug/l # 87
5) Bromomethane	2.77	94	13949	11.995	ug/l 99
6) Chloroethane	2.92	64	13375	11.452	ug/l 93
7) Trichlorofluoromethane	3.24	101	14530	10.911	ug/l 100
8) Diethyl Ether	3.68	74	12513	12.034	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	23092	11.433	ug/l 99
10) Methyl Iodide	4.27	142	28824	11.403	ug/l 99
11) Tert butyl alcohol	5.18	59	11477	59.594	ug/l # 93
12) 1,1-Dichloroethene	4.03	96	20815	11.335	ug/l 95
13) Acrolein	3.89	56	10754	59.665	ug/l 100
14) Allyl chloride	4.66	41	38873	11.150	ug/l 98
15) Acrylonitrile	5.37	53	30761	57.922	ug/l 100
16) Acetone	4.12	43	34161	58.524	ug/l 99
17) Carbon Disulfide	4.38	76	45823	12.521	ug/l 95
18) Methyl Acetate	4.67	43	14950	10.679	ug/l 96
19) Methyl tert-butyl Ether	5.42	73	41903	11.559	ug/l 99
20) Methylene Chloride	4.92	84	28240	12.227	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	22506	11.442	ug/l 98
22) Diisopropyl ether	6.31	45	80762	11.151	ug/l # 88
23) Vinyl Acetate	6.25	43	244581	56.382	ug/l 97
24) 1,1-Dichloroethane	6.21	63	47404	11.352	ug/l 98
25) 2-Butanone	7.17	43	45894	58.739	ug/l 96
26) 2,2-Dichloropropane	7.16	77	35227	11.897	ug/l 99
27) cis-1,2-Dichloroethene	7.16	96	26698	11.338	ug/l 96
28) Bromochloromethane	7.51	49	17967	10.222	ug/l # 98
29) Tetrahydrofuran	7.52	42	25793	57.938	ug/l 99
30) Chloroform	7.68	83	47887	11.286	ug/l 98
31) Cyclohexane	7.95	56	42411	11.920	ug/l # 86
32) 1,1,1-Trichloroethane	7.87	97	39311	11.250	ug/l 96
36) 1,1-Dichloropropene	8.07	75	35167	11.412	ug/l 100
37) Ethyl Acetate	7.25	43	19005	11.619	ug/l 99
38) Carbon Tetrachloride	8.07	117	34576	10.949	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	39161	11.597	ug/l	92
40) Benzene	8.32	78	98074	11.401	ug/l	99
41) Methacrylonitrile	7.48	41	12611	11.708	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	32969	11.433	ug/l	98
43) Isopropyl Acetate	8.42	43	35899	11.431	ug/l	99
44) Trichloroethene	9.09	130	27312	11.591	ug/l	93
45) 1,2-Dichloropropane	9.37	63	25672	11.232	ug/l	99
46) Dibromomethane	9.46	93	12467	11.385	ug/l	99
47) Bromodichloromethane	9.64	83	33882	11.031	ug/l	97
48) Methyl methacrylate	9.43	41	16576	11.246	ug/l	96
49) 1,4-Dioxane	9.45	88	3895	212.280	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	93831	57.872	ug/l	98
52) Toluene	10.38	92	61185	11.193	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	32965	10.671	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	38515	10.897	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	18562	11.127	ug/l	98
56) Ethyl methacrylate	10.65	69	24598	10.955	ug/l	97
57) 1,3-Dichloropropane	10.93	76	32734	11.062	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	59812	49.658	ug/l	100
59) 2-Hexanone	10.97	43	65303	57.843	ug/l	97
60) Dibromochloromethane	11.13	129	21547	10.684	ug/l	93
61) 1,2-Dibromoethane	11.24	107	17030	11.191	ug/l	97
64) Tetrachloroethene	10.86	164	22725	11.534	ug/l	94
65) Chlorobenzene	11.66	112	65069	11.030	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	24567	10.867	ug/l	98
67) Ethyl Benzene	11.73	91	119586	10.976	ug/l	100
68) m/p-Xylenes	11.83	106	88597	22.259	ug/l	98
69) o-Xylene	12.16	106	40493	10.852	ug/l	97
70) Styrene	12.18	104	72808	10.968	ug/l	98
71) Bromoform	12.34	173	12815	10.792	ug/l #	99
73) Isopropylbenzene	12.46	105	121318	10.756	ug/l	99
74) N-amyl acetate	12.27	43	30804	10.617	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	21967	11.088	ug/l	97
76) 1,2,3-Trichloropropane	12.76	75	15996m	11.141	ug/l	
77) Bromobenzene	12.75	156	27844	10.716	ug/l	98
78) n-propylbenzene	12.80	91	143034	10.780	ug/l	100
79) 2-Chlorotoluene	12.89	91	81954	10.745	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	103287	10.824	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	6724	10.233	ug/l	97
82) 4-Chlorotoluene	12.99	91	86874	10.795	ug/l	99
83) tert-Butylbenzene	13.21	119	90634	10.619	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	101308	10.744	ug/l	96
85) sec-Butylbenzene	13.38	105	125719	10.811	ug/l	99
86) p-Isopropyltoluene	13.50	119	113228	10.605	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	55926	10.872	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	54754	10.832	ug/l	95
89) n-Butylbenzene	13.82	91	107250	10.652	ug/l	98
90) Hexachloroethane	14.09	117	19880	10.390	ug/l	98
91) 1,2-Dichlorobenzene	13.86	146	49097	10.854	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4122	11.367	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	33940	10.521	ug/l	97
94) Hexachlorobutadiene	15.24	225	25365	11.107	ug/l	97
95) Naphthalene	15.36	128	54488	10.108	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	29888	10.481	ug/l	98

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

