

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060419\
 Data File : VW010675.D
 Acq On : 04 Jun 2019 14:48
 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
 6/5/2019 3:04:54 PM

Quant Time: Jun 05 03:10:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 02:25:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	278310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	454388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	395874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	183279	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	30136	9.19	ug/l	0.00
Spiked Amount			Recovery	=	18.38%	
35) Dibromofluoromethane	7.88	113	21103	8.56	ug/l	0.00
Spiked Amount			Recovery	=	17.12%	
50) Toluene-d8	10.32	98	98807	9.14	ug/l	0.00
Spiked Amount			Recovery	=	18.28%	
62) 4-Bromofluorobenzene	12.62	95	34680	8.81	ug/l	0.00
Spiked Amount			Recovery	=	17.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	27673	10.760	ug/l	98
3) Chloromethane	2.21	50	39146	10.345	ug/l	99
4) Vinyl Chloride	2.35	62	36292	10.381	ug/l	94
5) Bromomethane	2.76	94	21123	11.003	ug/l	92
6) Chloroethane	2.91	64	21714	10.348	ug/l	100
7) Trichlorofluoromethane	3.25	101	47681	10.507	ug/l	97
8) Diethyl Ether	3.68	74	16646	10.264	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	29065	10.417	ug/l	97
10) Methyl Iodide	4.28	142	20124	8.167	ug/l	99
11) Tert butyl alcohol	5.18	59	13248	49.573	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	27497	10.216	ug/l	99
13) Acrolein	3.90	56	5982	54.778	ug/l	98
14) Allyl chloride	4.67	41	59915	10.096	ug/l	98
15) Acrylonitrile	5.37	53	40614	51.548	ug/l	99
16) Acetone	4.13	43	41651	47.386	ug/l	98
17) Carbon Disulfide	4.38	76	86307	10.102	ug/l #	94
18) Methyl Acetate	4.68	43	19724	10.425	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	79190	10.202	ug/l	97
20) Methylene Chloride	4.92	84	32436	10.519	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	31373	10.268	ug/l	97
22) Diisopropyl ether	6.31	45	120697	10.159	ug/l	97
23) Vinyl Acetate	6.26	43	364801	50.878	ug/l	100
24) 1,1-Dichloroethane	6.21	63	61174	10.274	ug/l	98
25) 2-Butanone	7.17	43	61677	50.604	ug/l	95
26) 2,2-Dichloropropane	7.17	77	49951	10.310	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	34681	10.314	ug/l	99
28) Bromochloromethane	7.51	49	26159	9.845	ug/l	100
29) Tetrahydrofuran	7.53	42	40220	52.464	ug/l	99
30) Chloroform	7.68	83	56978	10.462	ug/l	99
31) Cyclohexane	7.95	56	71442	10.794	ug/l #	91
32) 1,1,1-Trichloroethane	7.87	97	48603	10.217	ug/l	99
36) 1,1-Dichloropropene	8.08	75	48681	10.466	ug/l	99
37) Ethyl Acetate	7.26	43	25581	9.925	ug/l	97
38) Carbon Tetrachloride	8.07	117	40884	10.182	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	62249	10.528	ug/l	99
40) Benzene	8.32	78	132012	10.404	ug/l	97
41) Methacrylonitrile	7.48	41	16356	10.676	ug/l	97
42) 1,2-Dichloroethane	8.40	62	41564	10.321	ug/l	99
43) Isopropyl Acetate	8.43	43	50599	10.162	ug/l	100
44) Trichloroethene	9.09	130	32950	10.527	ug/l	95
45) 1,2-Dichloropropane	9.37	63	34272	10.203	ug/l	97
46) Dibromomethane	9.46	93	16227	10.401	ug/l	98
47) Bromodichloromethane	9.65	83	40405	9.991	ug/l	99
48) Methyl methacrylate	9.44	41	23861	9.939	ug/l	93
49) 1,4-Dioxane	9.45	88	4651	190.681	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	131233	51.589	ug/l	100
52) Toluene	10.39	92	80628	10.328	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	42013	9.808	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	50242	9.968	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	23232	10.337	ug/l	97
56) Ethyl methacrylate	10.65	69	34671	10.025	ug/l	99
57) 1,3-Dichloropropane	10.93	76	43765	10.333	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	96836	53.460	ug/l	100
59) 2-Hexanone	10.97	43	92565	50.349	ug/l	99
60) Dibromochloromethane	11.13	129	24772	9.943	ug/l	100
61) 1,2-Dibromoethane	11.24	107	21733	10.206	ug/l	100
64) Tetrachloroethene	10.86	164	27856	10.598	ug/l	98
65) Chlorobenzene	11.66	112	81937	10.525	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	27170	10.082	ug/l	98
67) Ethyl Benzene	11.73	91	154755	10.344	ug/l	99
68) m/p-Xylenes	11.84	106	110247	20.585	ug/l	98
69) o-Xylene	12.17	106	51467	10.132	ug/l	97
70) Styrene	12.18	104	88736	10.056	ug/l	99
71) Bromoform	12.35	173	13532	9.709	ug/l #	99
73) Isopropylbenzene	12.46	105	144833	10.516	ug/l	99
74) N-amyl acetate	12.27	43	45078	10.127	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	28536	10.883	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	20631m	7.858	ug/l	
77) Bromobenzene	12.75	156	31397	10.444	ug/l	98
78) n-propylbenzene	12.80	91	176403	10.622	ug/l	100
79) 2-Chlorotoluene	12.90	91	100683	10.612	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	117885	10.457	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	8140	9.720	ug/l	94
82) 4-Chlorotoluene	12.99	91	102894	10.509	ug/l	99
83) tert-Butylbenzene	13.21	119	100768	10.533	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	118586	10.454	ug/l	99
85) sec-Butylbenzene	13.38	105	146323	10.504	ug/l	100
86) p-Isopropyltoluene	13.50	119	129084	10.363	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	60329	10.406	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	60125	10.461	ug/l	97
89) n-Butylbenzene	13.83	91	128081	10.305	ug/l	99
90) Hexachloroethane	14.10	117	22369	10.027	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	54263	10.408	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4573	10.157	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	37095	10.139	ug/l	98
94) Hexachlorobutadiene	15.24	225	23657	10.302	ug/l	98
95) Naphthalene	15.37	128	65683	9.881	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	31792	10.217	ug/l	99

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

