

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012419\
 Data File : VW008396.D
 Acq On : 24 Jan 2019 14:50
 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

sam
 1/25/2019 1:42:52 PM

Quant Time: Jan 25 10:53:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 10:41:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	588958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	918471	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	814579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	415745	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	58314	9.52	ug/l	0.00
Spiked Amount			Recovery	=	19.04%	
35) Dibromofluoromethane	7.88	113	54760	9.34	ug/l	0.00
Spiked Amount			Recovery	=	18.68%	
50) Toluene-d8	10.32	98	219297	9.52	ug/l	0.00
Spiked Amount			Recovery	=	19.04%	
62) 4-Bromofluorobenzene	12.62	95	83669	10.13	ug/l	0.00
Spiked Amount			Recovery	=	20.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	23359	6.294	ug/l	88
3) Chloromethane	2.21	50	40220	7.393	ug/l	99
4) Vinyl Chloride	2.37	62	53089	7.638	ug/l	98
5) Bromomethane	2.78	94	31192	5.922	ug/l	98
6) Chloroethane	2.93	64	29912	6.575	ug/l	95
7) Trichlorofluoromethane	3.26	101	34035	6.669	ug/l	95
8) Diethyl Ether	3.68	74	25658	7.250	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	45894	7.724	ug/l	95
10) Methyl Iodide	4.26	142	73978	7.720	ug/l	99
11) Tert butyl alcohol	5.17	59	20484	49.658	ug/l #	90
12) 1,1-Dichloroethene	4.03	96	48061	7.953	ug/l	92
13) Acrolein	3.89	56	24460	65.393	ug/l	90
14) Allyl chloride	4.67	41	89438	8.853	ug/l	98
15) Acrylonitrile	5.37	53	54147	39.830	ug/l	98
16) Acetone	4.12	43	58636	41.212	ug/l	96
17) Carbon Disulfide	4.37	76	149591	8.135	ug/l	98
18) Methyl Acetate	4.67	43	33204	8.736	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	80859	8.741	ug/l	96
20) Methylene Chloride	4.92	84	58092	7.689	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	53882	7.939	ug/l	98
22) Diisopropyl ether	6.31	45	168177	8.526	ug/l	97
23) Vinyl Acetate	6.26	43	482107	45.726	ug/l	99
24) 1,1-Dichloroethane	6.21	63	96035	7.997	ug/l	97
25) 2-Butanone	7.17	43	78587	43.125	ug/l	98
26) 2,2-Dichloropropane	7.17	77	67335	8.786	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	57291	7.791	ug/l	98
28) Bromochloromethane	7.51	49	48829	9.869	ug/l	96
29) Tetrahydrofuran	7.53	42	49736	43.779	ug/l	99
30) Chloroform	7.68	83	94706	7.970	ug/l	100
31) Cyclohexane	7.95	56	106590	9.315	ug/l #	91
32) 1,1,1-Trichloroethane	7.87	97	82242	8.247	ug/l	100
36) 1,1-Dichloropropene	8.08	75	75903	8.214	ug/l	96
37) Ethyl Acetate	7.26	43	31402	8.241	ug/l #	96
38) Carbon Tetrachloride	8.07	117	77688	8.514	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	101025	9.191	ug/l	99
40) Benzene	8.32	78	211842	8.093	ug/l	98
41) Methacrylonitrile	7.48	41	18977	8.555	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	61107	8.349	ug/l	99
43) Isopropyl Acetate	8.43	43	67932	9.438	ug/l	97
44) Trichloroethene	9.09	130	58121	8.105	ug/l	93
45) 1,2-Dichloropropane	9.37	63	53550	8.236	ug/l	97
46) Dibromomethane	9.46	93	26850	7.923	ug/l	98
47) Bromodichloromethane	9.65	83	73154	8.752	ug/l	99
48) Methyl methacrylate	9.44	41	35783	10.560	ug/l	95
49) 1,4-Dioxane	9.45	88	9166	168.021	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	168701	46.286	ug/l	100
52) Toluene	10.39	92	138251	8.346	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	75878	9.095	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	87141	8.860	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	37088	7.891	ug/l	98
56) Ethyl methacrylate	10.65	69	51380	9.308	ug/l	99
57) 1,3-Dichloropropane	10.93	76	67381	8.256	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	130854	49.145	ug/l	98
59) 2-Hexanone	10.97	43	119871	46.940	ug/l	99
60) Dibromochloromethane	11.13	129	48420	8.632	ug/l	99
61) 1,2-Dibromoethane	11.23	107	37299	8.195	ug/l	99
64) Tetrachloroethene	10.86	164	50020	8.757	ug/l	97
65) Chlorobenzene	11.66	112	148588	8.363	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	52863	8.645	ug/l	99
67) Ethyl Benzene	11.73	91	272083	8.819	ug/l	100
68) m/p-Xylenes	11.84	106	209902	17.529	ug/l	99
69) o-Xylene	12.17	106	99784	8.919	ug/l	98
70) Styrene	12.18	104	161611	8.993	ug/l	98
71) Bromoform	12.35	173	28804	9.455	ug/l #	99
73) Isopropylbenzene	12.47	105	274883	9.074	ug/l	99
74) N-amyl acetate	12.27	43	68453	10.545	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	43861	8.513	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	31660m	8.362	ug/l	
77) Bromobenzene	12.75	156	60073	8.256	ug/l	97
78) n-propylbenzene	12.80	91	330395	9.011	ug/l	98
79) 2-Chlorotoluene	12.90	91	184365	8.801	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	227459	8.998	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	15958	10.059	ug/l	100
82) 4-Chlorotoluene	12.99	91	195015	8.908	ug/l	100
83) tert-Butylbenzene	13.21	119	203658	9.154	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	232034	9.011	ug/l	99
85) sec-Butylbenzene	13.39	105	295058	9.237	ug/l	100
86) p-Isopropyltoluene	13.51	119	256554	9.195	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	122209	8.453	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	121038	8.357	ug/l	98
89) n-Butylbenzene	13.83	91	249197	9.311	ug/l	100
90) Hexachloroethane	14.10	117	50604	9.801	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	107069	8.388	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8152	9.676	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	76959	8.907	ug/l	98
94) Hexachlorobutadiene	15.24	225	47716	9.799	ug/l	97
95) Naphthalene	15.38	128	128121	8.874	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	63175	8.394	ug/l	97

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

