

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082319\
 Data File : VW012129.D
 Acq On : 23 Aug 2019 11:55
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 11:39:15 AM

Quant Time: Aug 26 07:17:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:02:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	243448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	391717	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	339865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	157830	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	436333	150.77	ug/l	0.00
Spiked Amount			Recovery	=	301.54%	
35) Dibromofluoromethane	7.88	113	351691	150.41	ug/l	0.00
Spiked Amount			Recovery	=	300.82%	
50) Toluene-d8	10.32	98	1441897	152.09	ug/l	0.00
Spiked Amount			Recovery	=	304.18%	
62) 4-Bromofluorobenzene	12.62	95	498123	149.05	ug/l	0.00
Spiked Amount			Recovery	=	298.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	263028	175.469	ug/l	96
3) Chloromethane	2.21	50	370550	159.556	ug/l	99
4) Vinyl Chloride	2.36	62	446630	157.126	ug/l	100
5) Bromomethane	2.76	94	219860	152.727	ug/l	98
6) Chloroethane	2.91	64	257606	160.651	ug/l	97
7) Trichlorofluoromethane	3.25	101	260203	182.304	ug/l	99
8) Diethyl Ether	3.68	74	219671	162.145	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	377005	155.394	ug/l	99
10) Methyl Iodide	4.27	142	531116	161.797	ug/l	100
11) Tert butyl alcohol	5.17	59	148355	841.526	ug/l	99
12) 1,1-Dichloroethene	4.04	96	392249	160.633	ug/l	97
13) Acrolein	3.89	56	120690	736.184	ug/l	98
14) Allyl chloride	4.67	41	855818	163.937	ug/l	99
15) Acrylonitrile	5.36	53	553344	824.026	ug/l	99
16) Acetone	4.12	43	615009	831.354	ug/l	100
17) Carbon Disulfide	4.38	76	1246152	168.858	ug/l	100
18) Methyl Acetate	4.67	43	297679	162.464	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	617421	156.351	ug/l	99
20) Methylene Chloride	4.92	84	406533	145.366	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	417762	159.538	ug/l	100
22) Diisopropyl ether	6.31	45	1513558	156.415	ug/l	95
23) Vinyl Acetate	6.25	43	5005218	840.494	ug/l	100
24) 1,1-Dichloroethane	6.21	63	834916	158.467	ug/l	99
25) 2-Butanone	7.17	43	855633	851.157	ug/l	100
26) 2,2-Dichloropropane	7.17	77	453645	152.120	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	448114	160.172	ug/l	99
28) Bromochloromethane	7.51	49	334498	145.664	ug/l #	99
29) Tetrahydrofuran	7.52	42	517212	857.571	ug/l	99
30) Chloroform	7.68	83	736655	152.823	ug/l	98
31) Cyclohexane	7.95	56	782342	150.084	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	601778	157.812	ug/l	100
36) 1,1-Dichloropropene	8.08	75	636229	157.173	ug/l	100
37) Ethyl Acetate	7.25	43	358772	161.739	ug/l	99
38) Carbon Tetrachloride	8.07	117	562175	160.457	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	738168	162.322	ug/l	98
40) Benzene	8.32	78	1715272	155.183	ug/l	99
41) Methacrylonitrile	7.48	41	219976	168.729	ug/l	98
42) 1,2-Dichloroethane	8.40	62	540423	156.004	ug/l	100
43) Isopropyl Acetate	8.42	43	690962	168.165	ug/l	99
44) Trichloroethene	9.09	130	423599	157.648	ug/l	99
45) 1,2-Dichloropropane	9.37	63	466597	156.853	ug/l	100
46) Dibromomethane	9.46	93	210808	159.274	ug/l	98
47) Bromodichloromethane	9.65	83	568629	161.426	ug/l	98
48) Methyl methacrylate	9.43	41	339457	173.583	ug/l	98
49) 1,4-Dioxane	9.45	88	70311	3470.078	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	1746075	835.492	ug/l	100
52) Toluene	10.39	92	1051344	158.331	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	613600	171.008	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	721453	166.522	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	298492	159.395	ug/l	99
56) Ethyl methacrylate	10.65	69	473709	173.807	ug/l	100
57) 1,3-Dichloropropane	10.93	76	569287	160.869	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	1142788	816.990	ug/l	100
59) 2-Hexanone	10.97	43	1257474	850.380	ug/l	99
60) Dibromochloromethane	11.13	129	349696	167.654	ug/l	100
61) 1,2-Dibromoethane	11.24	107	283559	162.534	ug/l	99
64) Tetrachloroethene	10.86	164	342569	155.470	ug/l	99
65) Chlorobenzene	11.66	112	1043962	155.996	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	371742	159.228	ug/l	98
67) Ethyl Benzene	11.73	91	2053590	159.299	ug/l	99
68) m/p-Xylenes	11.84	106	1471891	316.969	ug/l	98
69) o-Xylene	12.16	106	690211	160.595	ug/l	99
70) Styrene	12.18	104	1198186	161.065	ug/l	100
71) Bromoform	12.35	173	197218	169.549	ug/l #	99
73) Isopropylbenzene	12.46	105	1889155	159.740	ug/l	98
74) N-amyl acetate	12.27	43	626988	175.475	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	347650	160.345	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	246883m	162.341	ug/l	
77) Bromobenzene	12.75	156	408691	159.737	ug/l	100
78) n-propylbenzene	12.80	91	2308524	159.896	ug/l	99
79) 2-Chlorotoluene	12.89	91	1300480	158.655	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1576853	159.566	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	126924	181.040	ug/l	96
82) 4-Chlorotoluene	12.99	91	1340009	156.128	ug/l	99
83) tert-Butylbenzene	13.21	119	1335217	159.505	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1560184	157.168	ug/l	100
85) sec-Butylbenzene	13.38	105	1884977	157.174	ug/l	100
86) p-Isopropyltoluene	13.50	119	1690912	157.876	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	776853	155.235	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	768328	154.625	ug/l	99
89) n-Butylbenzene	13.82	91	1712618	160.797	ug/l	100
90) Hexachloroethane	14.09	117	309053	164.468	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	677700	154.369	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	61495	168.243	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	515292	169.847	ug/l	99
94) Hexachlorobutadiene	15.24	225	319463	159.472	ug/l	97
95) Naphthalene	15.36	128	990431	186.433	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	446662	168.745	ug/l	98

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

