

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082319\
 Data File : VW012157.D
 Acq On : 24 Aug 2019 01:51
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda

8/26/2019 11:38:32 AM

Quant Time: Aug 26 08:33:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	221049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	376858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	334800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	160448	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	159864	60.84	ug/l	0.00
Spiked Amount			Recovery	=	121.68%	
35) Dibromofluoromethane	7.88	113	123206	54.77	ug/l	0.00
Spiked Amount			Recovery	=	109.54%	
50) Toluene-d8	10.32	98	493157	54.07	ug/l	0.00
Spiked Amount			Recovery	=	108.14%	
62) 4-Bromofluorobenzene	12.62	95	173908	54.09	ug/l	0.00
Spiked Amount			Recovery	=	108.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	66769	49.056	ug/l	96
3) Chloromethane	2.21	50	107225	50.849	ug/l	99
4) Vinyl Chloride	2.36	62	126734	49.103	ug/l	97
5) Bromomethane	2.75	94	62290	47.655	ug/l	97
6) Chloroethane	2.90	64	73268	50.322	ug/l	99
7) Trichlorofluoromethane	3.25	101	61618	47.545	ug/l	99
8) Diethyl Ether	3.68	74	70172	57.044	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	107702	48.891	ug/l	99
10) Methyl Iodide	4.27	142	159243	53.427	ug/l	99
11) Tert butyl alcohol	5.18	59	45739	289.239	ug/l	99
12) 1,1-Dichloroethene	4.04	96	111467	50.273	ug/l	99
13) Acrolein	3.89	56	37091	249.173	ug/l	99
14) Allyl chloride	4.66	41	253025	53.380	ug/l	100
15) Acrylonitrile	5.36	53	185477	304.196	ug/l	100
16) Acetone	4.12	43	160205	238.506	ug/l	99
17) Carbon Disulfide	4.38	76	338793	50.559	ug/l	99
18) Methyl Acetate	4.67	43	103384	62.141	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	205644	57.353	ug/l	96
20) Methylene Chloride	4.91	84	133349	52.514	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	128611	54.092	ug/l	98
22) Diisopropyl ether	6.31	45	509290	57.965	ug/l	96
23) Vinyl Acetate	6.25	43	1596579	295.270	ug/l	100
24) 1,1-Dichloroethane	6.21	63	264396	55.267	ug/l	100
25) 2-Butanone	7.17	43	261319	286.293	ug/l	98
26) 2,2-Dichloropropane	7.17	77	125616	46.391	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	142280	56.009	ug/l	99
28) Bromochloromethane	7.51	49	118229	56.702	ug/l	100
29) Tetrahydrofuran	7.52	42	173375	316.596	ug/l	99
30) Chloroform	7.67	83	241966	55.284	ug/l	99
31) Cyclohexane	7.95	56	222987	47.112	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	182418	52.685	ug/l	100
36) 1,1-Dichloropropene	8.08	75	190273	48.858	ug/l	100
37) Ethyl Acetate	7.25	43	120007	56.234	ug/l	99
38) Carbon Tetrachloride	8.07	117	162096	48.090	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	205694	47.015	ug/l	99
40) Benzene	8.32	78	549471	51.672	ug/l	100
41) Methacrylonitrile	7.48	41	72953	58.164	ug/l	98
42) 1,2-Dichloroethane	8.40	62	181215	54.374	ug/l	100
43) Isopropyl Acetate	8.42	43	223058	56.428	ug/l	99
44) Trichloroethene	9.09	130	130324	50.414	ug/l	99
45) 1,2-Dichloropropane	9.37	63	151106	52.799	ug/l	98
46) Dibromomethane	9.46	93	70825	55.621	ug/l	97
47) Bromodichloromethane	9.65	83	180778	53.344	ug/l	98
48) Methyl methacrylate	9.43	41	109409	58.153	ug/l	97
49) 1,4-Dioxane	9.45	88	22286	1143.254	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	581736	289.335	ug/l	100
52) Toluene	10.39	92	330261	51.698	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	185134	53.630	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	217710	52.232	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	98073	54.436	ug/l	99
56) Ethyl methacrylate	10.65	69	148615	56.678	ug/l	98
57) 1,3-Dichloropropane	10.93	76	186712	54.841	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	385157	286.209	ug/l	100
59) 2-Hexanone	10.97	43	393894	276.878	ug/l	100
60) Dibromochloromethane	11.13	129	108725	54.181	ug/l	99
61) 1,2-Dibromoethane	11.24	107	93166	55.508	ug/l	100
64) Tetrachloroethene	10.86	164	110159	50.750	ug/l	97
65) Chlorobenzene	11.66	112	330733	50.168	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	117731	51.190	ug/l	98
67) Ethyl Benzene	11.73	91	632350	49.794	ug/l	99
68) m/p-Xylenes	11.84	106	458273	100.181	ug/l	99
69) o-Xylene	12.16	106	215954	51.007	ug/l	100
70) Styrene	12.18	104	378696	51.676	ug/l	99
71) Bromoform	12.35	173	61770	53.907	ug/l #	99
73) Isopropylbenzene	12.46	105	582715	48.468	ug/l	98
74) N-amyl acetate	12.27	43	199499	54.923	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	118859	53.926	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	83138m	53.203	ug/l	
77) Bromobenzene	12.74	156	132982	51.128	ug/l	99
78) n-propylbenzene	12.80	91	711119	48.451	ug/l	99
79) 2-Chlorotoluene	12.89	91	414681	49.764	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	499275	49.699	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	36213	50.810	ug/l	96
82) 4-Chlorotoluene	12.99	91	433689	49.706	ug/l	100
83) tert-Butylbenzene	13.21	119	418707	49.203	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	498893	49.437	ug/l	100
85) sec-Butylbenzene	13.38	105	581673	47.710	ug/l	100
86) p-Isopropyltoluene	13.50	119	523914	48.118	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	250689	49.277	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	248873	49.268	ug/l	100
89) n-Butylbenzene	13.82	91	507596	46.880	ug/l	100
90) Hexachloroethane	14.09	117	93136	48.755	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	225547	50.538	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19981	53.774	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	151551	49.138	ug/l	99
94) Hexachlorobutadiene	15.24	225	95177	46.736	ug/l	98
95) Naphthalene	15.36	128	300620	49.701	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	136925	50.885	ug/l	98

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

