

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082619\
 Data File : VW012174.D
 Acq On : 26 Aug 2019 16:12
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 11:04:21 AM

Quant Time: Aug 27 05:35:40 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	244843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	382197	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	160681	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	148210	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
35) Dibromofluoromethane	7.88	113	119142	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
50) Toluene-d8	10.32	98	483807	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.62	95	167507	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	92912	61.629	ug/l	99
3) Chloromethane	2.21	50	128123	54.854	ug/l	99
4) Vinyl Chloride	2.36	62	162036	56.680	ug/l	99
5) Bromomethane	2.78	94	80359	55.504	ug/l	97
6) Chloroethane	2.92	64	90707	56.245	ug/l	98
7) Trichlorofluoromethane	3.25	101	90227	62.855	ug/l	99
8) Diethyl Ether	3.68	74	72730	53.378	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	135585	55.567	ug/l	99
10) Methyl Iodide	4.27	142	182242	55.201	ug/l	100
11) Tert butyl alcohol	5.18	59	45294	258.590	ug/l	100
12) 1,1-Dichloroethene	4.04	96	136456	55.563	ug/l	95
13) Acrolein	3.89	56	40159	243.566	ug/l	97
14) Allyl chloride	4.67	41	292096	55.634	ug/l	99
15) Acrylonitrile	5.37	53	185502	274.671	ug/l	99
16) Acetone	4.12	43	212960	286.234	ug/l	99
17) Carbon Disulfide	4.39	76	428987	57.798	ug/l	99
18) Methyl Acetate	4.67	43	97081	52.682	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	215310	54.213	ug/l	95
20) Methylene Chloride	4.91	84	144380	51.333	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	144375	54.821	ug/l	99
22) Diisopropyl ether	6.31	45	525708	54.019	ug/l	98
23) Vinyl Acetate	6.25	43	1687483	281.754	ug/l	99
24) 1,1-Dichloroethane	6.21	63	285822	53.940	ug/l	99
25) 2-Butanone	7.17	43	281214	278.149	ug/l	98
26) 2,2-Dichloropropane	7.17	77	167528	55.857	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	150230	53.392	ug/l	98
28) Bromochloromethane	7.51	49	113399	49.101	ug/l	99
29) Tetrahydrofuran	7.52	42	169334	279.167	ug/l	100
30) Chloroform	7.67	83	258242	53.268	ug/l	97
31) Cyclohexane	7.95	56	271718	51.829	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	210430	54.870	ug/l	99
36) 1,1-Dichloropropene	8.08	75	223115	56.491	ug/l	100
37) Ethyl Acetate	7.25	43	118532	54.767	ug/l	99
38) Carbon Tetrachloride	8.07	117	193422	56.582	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	251409	56.662	ug/l	99
40) Benzene	8.32	78	587627	54.488	ug/l	99
41) Methacrylonitrile	7.48	41	72466	56.968	ug/l	99
42) 1,2-Dichloroethane	8.40	62	184425	54.564	ug/l	100
43) Isopropyl Acetate	8.42	43	221105	55.153	ug/l	99
44) Trichloroethene	9.09	130	145468	55.486	ug/l	97
45) 1,2-Dichloropropane	9.37	63	156000	53.748	ug/l	100
46) Dibromomethane	9.46	93	72055	55.797	ug/l	98
47) Bromodichloromethane	9.64	83	189550	55.151	ug/l	98
48) Methyl methacrylate	9.43	41	108548	56.889	ug/l	99
49) 1,4-Dioxane	9.46	88	21005	1062.487	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	580376	284.626	ug/l	100
52) Toluene	10.38	92	360684	55.672	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	198311	56.645	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	237001	56.066	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	100611	55.065	ug/l	99
56) Ethyl methacrylate	10.65	69	152864	57.484	ug/l	99
57) 1,3-Dichloropropane	10.93	76	189605	54.913	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	360096	263.849	ug/l	99
59) 2-Hexanone	10.97	43	423191	293.316	ug/l	100
60) Dibromochloromethane	11.13	129	113598	55.819	ug/l	99
61) 1,2-Dibromoethane	11.23	107	94484	55.507	ug/l	99
64) Tetrachloroethene	10.86	164	119587	55.328	ug/l	98
65) Chlorobenzene	11.66	112	354547	54.009	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	123339	53.857	ug/l	98
67) Ethyl Benzene	11.73	91	691098	54.651	ug/l	100
68) m/p-Xylenes	11.84	106	505053	110.877	ug/l	99
69) o-Xylene	12.16	106	231627	54.942	ug/l	99
70) Styrene	12.18	104	402832	55.203	ug/l	99
71) Bromoform	12.35	173	63491	55.645	ug/l #	99
73) Isopropylbenzene	12.46	105	649071	53.909	ug/l	99
74) N-amyl acetate	12.27	43	206138	56.668	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	119829	54.288	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	81863m	52.311	ug/l	
77) Bromobenzene	12.75	156	138813	53.293	ug/l	100
78) n-propylbenzene	12.80	91	806891	54.896	ug/l	99
79) 2-Chlorotoluene	12.89	91	447639	53.642	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	551237	54.791	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	41182	57.698	ug/l	98
82) 4-Chlorotoluene	12.99	91	474799	54.339	ug/l	100
83) tert-Butylbenzene	13.21	119	473485	55.559	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	550207	54.443	ug/l	100
85) sec-Butylbenzene	13.38	105	669634	54.845	ug/l	100
86) p-Isopropyltoluene	13.50	119	603865	55.381	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	274920	53.961	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	271437	53.657	ug/l	100
89) n-Butylbenzene	13.82	91	607422	56.019	ug/l	99
90) Hexachloroethane	14.09	117	106499	55.670	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	241730	54.085	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20635	55.453	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	175270	56.746	ug/l	100
94) Hexachlorobutadiene	15.24	225	113040	55.427	ug/l	99
95) Naphthalene	15.36	128	324607	53.251	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	152043	56.421	ug/l	97

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

