

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010720\
 Data File : VW014549.D
 Acq On : 07 Jan 2020 16:55
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 1/8/2020 9:13:53 AM

Quant Time: Jan 08 07:00:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	587896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	802032	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	634305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	274540	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	173007	33.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.32%	
35) Dibromofluoromethane	7.88	113	192496	42.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.00%	
50) Toluene-d8	10.32	98	871385	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
62) 4-Bromofluorobenzene	12.62	95	253105	39.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	151510	45.644	ug/l	96
3) Chloromethane	2.21	50	181608	44.698	ug/l	97
4) Vinyl Chloride	2.36	62	306996	51.371	ug/l	100
5) Bromomethane	2.78	94	173457	46.986	ug/l	95
6) Chloroethane	2.93	64	169054	49.626	ug/l	98
7) Trichlorofluoromethane	3.26	101	162239	54.261	ug/l	94
8) Diethyl Ether	3.68	74	104250	35.043	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	298295	53.394	ug/l	100
10) Methyl Iodide	4.28	142	380727	45.167	ug/l	99
11) Tert butyl alcohol	5.15	59	63548	151.292	ug/l	100
12) 1,1-Dichloroethene	4.04	96	296837	50.737	ug/l	98
13) Acrolein	3.89	56	73474	163.775	ug/l	99
14) Allyl chloride	4.67	41	412271	46.113	ug/l	99
15) Acrylonitrile	5.37	53	204213	150.175	ug/l	99
16) Acetone	4.12	43	242748	167.253	ug/l	95
17) Carbon Disulfide	4.38	76	862923	48.937	ug/l	99
18) Methyl Acetate	4.67	43	104874	29.919	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	287930	39.647	ug/l	99
20) Methylene Chloride	4.92	84	249628	41.780	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	290117	46.702	ug/l	92
22) Diisopropyl ether	6.31	45	696727	41.635	ug/l	98
23) Vinyl Acetate	6.25	43	1717459	169.961	ug/l	100
24) 1,1-Dichloroethane	6.21	63	469304	44.460	ug/l	99
25) 2-Butanone	7.16	43	287339	154.268	ug/l	98
26) 2,2-Dichloropropane	7.16	77	286144	48.963	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	283563	43.442	ug/l	98
28) Bromochloromethane	7.51	49	158745	38.359	ug/l	100
29) Tetrahydrofuran	7.52	42	167870	145.482	ug/l	99
30) Chloroform	7.67	83	425291	43.085	ug/l	98
31) Cyclohexane	7.96	56	552434	50.359	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	385378	48.543	ug/l	99
36) 1,1-Dichloropropene	8.08	75	423731	54.802	ug/l	100
37) Ethyl Acetate	7.25	43	120114	34.253	ug/l	99
38) Carbon Tetrachloride	8.07	117	363867	54.244	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	575468	57.996	ug/l	100
40) Benzene	8.32	78	1074162	49.101	ug/l	100
41) Methacrylonitrile	7.48	41	60233	30.814	ug/l	93
42) 1,2-Dichloroethane	8.40	62	222301	39.157	ug/l	100
43) Isopropyl Acetate	8.42	43	223170	35.047	ug/l	99
44) Trichloroethene	9.09	130	304576	51.452	ug/l	94
45) 1,2-Dichloropropane	9.37	63	241077	44.908	ug/l	100
46) Dibromomethane	9.46	93	99012	37.361	ug/l	98
47) Bromodichloromethane	9.64	83	280401	42.856	ug/l	100
48) Methyl methacrylate	9.43	41	108212	34.806	ug/l	99
49) 1,4-Dioxane	9.45	88	31284	631.146	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	567784	171.702	ug/l	100
52) Toluene	10.38	92	674999	49.045	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	263285	38.865	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	352865	42.619	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	145121	37.494	ug/l	98
56) Ethyl methacrylate	10.65	69	182739	36.329	ug/l	100
57) 1,3-Dichloropropane	10.93	76	259752	38.185	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	278167	181.831	ug/l	99
59) 2-Hexanone	10.97	43	393820	172.829	ug/l	99
60) Dibromochloromethane	11.13	129	170310	38.999	ug/l	99
61) 1,2-Dibromoethane	11.23	107	133043	36.212	ug/l	99
64) Tetrachloroethene	10.86	164	261351	56.913	ug/l	98
65) Chlorobenzene	11.66	112	642414	49.436	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	204466	46.731	ug/l	98
67) Ethyl Benzene	11.73	91	1243806	53.111	ug/l	100
68) m/p-Xylenes	11.83	106	946114	105.558	ug/l	100
69) o-Xylene	12.16	106	415031	50.129	ug/l	100
70) Styrene	12.18	104	679314	48.510	ug/l	100
71) Bromoform	12.35	173	89991	37.707	ug/l #	99
73) Isopropylbenzene	12.46	105	1231824	61.150	ug/l	100
74) N-amyl acetate	12.27	43	185229	41.009	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	154082	42.377	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	94672m	36.472	ug/l	
77) Bromobenzene	12.74	156	238190	50.909	ug/l	97
78) n-propylbenzene	12.80	91	1414888	59.731	ug/l	99
79) 2-Chlorotoluene	12.89	91	745618	55.313	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	971052	57.411	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	47791	41.021	ug/l	98
82) 4-Chlorotoluene	12.99	91	758321	54.146	ug/l	99
83) tert-Butylbenzene	13.21	119	874466	59.051	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	921336	54.738	ug/l	99
85) sec-Butylbenzene	13.38	105	1232689	60.138	ug/l	99
86) p-Isopropyltoluene	13.49	119	1079912	57.800	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	457413	50.276	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	440613	49.055	ug/l	100
89) n-Butylbenzene	13.82	91	982720	56.641	ug/l	100
90) Hexachloroethane	14.09	117	173328	53.105	ug/l	100
91) 1,2-Dichlorobenzene	13.86	146	377115	47.160	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22102	38.386	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	224197	41.518	ug/l	98
94) Hexachlorobutadiene	15.24	225	180772	49.954	ug/l	97
95) Naphthalene	15.36	128	335184	36.395	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	186159	39.550	ug/l	98

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

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