

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
 Data File : VW014517.D
 Acq On : 06 Jan 2020 10:48
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 1/7/2020 10:27:35 AM

Quant Time: Jan 07 02:49:05 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	880525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1305228	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1110640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	524593	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	379502	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
35) Dibromofluoromethane	7.88	113	381137	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	10.32	98	1622512	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.62	95	523731	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	262530	52.806	ug/l	96
3) Chloromethane	2.21	50	310411	51.009	ug/l	99
4) Vinyl Chloride	2.36	62	487132	54.425	ug/l	99
5) Bromomethane	2.78	94	290570	52.552	ug/l	99
6) Chloroethane	2.92	64	278570	54.598	ug/l	100
7) Trichlorofluoromethane	3.25	101	299156	66.802	ug/l	98
8) Diethyl Ether	3.68	74	212799	47.758	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	444440	53.115	ug/l	99
10) Methyl Iodide	4.27	142	648374	51.356	ug/l	97
11) Tert butyl alcohol	5.15	59	132204	219.966	ug/l	100
12) 1,1-Dichloroethene	4.04	96	467305	53.330	ug/l	98
13) Acrolein	3.89	56	164139	244.278	ug/l	98
14) Allyl chloride	4.66	41	746964	55.783	ug/l	100
15) Acrylonitrile	5.36	53	465223	228.419	ug/l	99
16) Acetone	4.11	43	629477	289.572	ug/l	99
17) Carbon Disulfide	4.38	76	1426571	54.016	ug/l	99
18) Methyl Acetate	4.66	43	231516	44.098	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	534039	49.097	ug/l	98
20) Methylene Chloride	4.91	84	461156	52.692	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	489520	52.612	ug/l	94
22) Diisopropyl ether	6.31	45	1310600	52.291	ug/l	99
23) Vinyl Acetate	6.25	43	3787920	250.278	ug/l	99
24) 1,1-Dichloroethane	6.21	63	832735	52.672	ug/l	99
25) 2-Butanone	7.16	43	688878	246.935	ug/l	97
26) 2,2-Dichloropropane	7.16	77	472131	53.939	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	501556	51.302	ug/l	96
28) Bromochloromethane	7.51	49	312566	50.428	ug/l	98
29) Tetrahydrofuran	7.52	42	373429	216.074	ug/l	99
30) Chloroform	7.67	83	781427	52.855	ug/l	97
31) Cyclohexane	7.95	56	853769	51.963	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	647387	54.446	ug/l	99
36) 1,1-Dichloropropene	8.08	75	687536	54.640	ug/l	99
37) Ethyl Acetate	7.24	43	262336	45.969	ug/l	97
38) Carbon Tetrachloride	8.06	117	596291	54.623	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	892119	55.247	ug/l	97
40) Benzene	8.32	78	1893373	53.182	ug/l	98
41) Methacrylonitrile	7.48	41	148082	46.550	ug/l	98
42) 1,2-Dichloroethane	8.40	62	465305	50.363	ug/l	98
43) Isopropyl Acetate	8.42	43	479098	46.232	ug/l	99
44) Trichloroethene	9.09	130	504262	52.344	ug/l	94
45) 1,2-Dichloropropane	9.37	63	455860	52.180	ug/l	98
46) Dibromomethane	9.45	93	209546	48.586	ug/l	99
47) Bromodichloromethane	9.64	83	559618	52.557	ug/l	99
48) Methyl methacrylate	9.43	41	237337	46.908	ug/l	99
49) 1,4-Dioxane	9.44	88	77072	955.454	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	1213474	225.491	ug/l	99
52) Toluene	10.38	92	1179887	52.679	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	567159	51.445	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	705480	52.358	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	303845	48.238	ug/l	99
56) Ethyl methacrylate	10.64	69	393632	48.086	ug/l	98
57) 1,3-Dichloropropane	10.93	76	546496	49.365	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	591437	237.561	ug/l	99
59) 2-Hexanone	10.96	43	911478	245.793	ug/l	99
60) Dibromochloromethane	11.13	129	356872	50.214	ug/l	100
61) 1,2-Dibromoethane	11.23	107	284347	47.557	ug/l	100
64) Tetrachloroethene	10.86	164	420262	52.267	ug/l	98
65) Chlorobenzene	11.65	112	1176133	51.690	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	402529	52.542	ug/l	99
67) Ethyl Benzene	11.73	91	2222035	54.189	ug/l	99
68) m/p-Xylenes	11.83	106	1691236	107.765	ug/l	100
69) o-Xylene	12.16	106	770270	53.135	ug/l	100
70) Styrene	12.18	104	1314094	53.593	ug/l	99
71) Bromoform	12.35	173	202801	48.531	ug/l #	99
73) Isopropylbenzene	12.46	105	2171807	56.422	ug/l	100
74) N-amyl acetate	12.27	43	421104	48.791	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	332674	47.883	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	251857m	50.778	ug/l	
77) Bromobenzene	12.74	156	475206	53.154	ug/l	99
78) n-propylbenzene	12.80	91	2588157	57.181	ug/l	99
79) 2-Chlorotoluene	12.89	91	1418098	55.055	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1779269	55.053	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	113217	50.858	ug/l	98
82) 4-Chlorotoluene	12.99	91	1468487	54.874	ug/l	99
83) tert-Butylbenzene	13.21	119	1594628	56.354	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	1763299	54.825	ug/l	100
85) sec-Butylbenzene	13.38	105	2208392	56.384	ug/l	100
86) p-Isopropyltoluene	13.49	119	2002508	56.091	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	932692	53.650	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	895288	52.164	ug/l	99
89) n-Butylbenzene	13.82	91	1905801	57.486	ug/l	100
90) Hexachloroethane	14.09	117	353353	56.657	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	792167	51.844	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	50947	46.306	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	531308	51.491	ug/l	98
94) Hexachlorobutadiene	15.23	225	362388	52.407	ug/l	98
95) Naphthalene	15.36	128	877075	49.841	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	444258	49.394	ug/l	98

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

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