

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032919\
 Data File : VW009580.D
 Acq On : 29 Mar 2019 19:35
 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

MMDadoda
 4/1/2019 4:04:51 AM

Quant Time: Mar 30 05:25:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	304596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	488587	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	460295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	255353	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	183511	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
35) Dibromofluoromethane	7.88	113	151482	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
50) Toluene-d8	10.32	98	553025	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.62	95	217362	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	86562	45.960	ug/l	96
3) Chloromethane	2.21	50	122570	47.768	ug/l	97
4) Vinyl Chloride	2.37	62	157515	45.963	ug/l	100
5) Bromomethane	2.78	94	117420	44.411	ug/l	97
6) Chloroethane	2.92	64	114050	44.938	ug/l	97
7) Trichlorofluoromethane	3.25	101	95822	40.923	ug/l	97
8) Diethyl Ether	3.67	74	77452	49.262	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	139304	44.341	ug/l	98
10) Methyl Iodide	4.27	142	197787	46.140	ug/l	96
11) Tert butyl alcohol	5.17	59	59364	293.947	ug/l #	86
12) 1,1-Dichloroethene	4.03	96	133092	45.269	ug/l	95
13) Acrolein	3.89	56	34296	231.534	ug/l	95
14) Allyl chloride	4.65	41	205216	43.641	ug/l	98
15) Acrylonitrile	5.36	53	192469	267.813	ug/l	99
16) Acetone	4.12	43	192423	245.708	ug/l	99
17) Carbon Disulfide	4.37	76	357205	42.700	ug/l	98
18) Methyl Acetate	4.67	43	113224	59.810	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	212174	51.889	ug/l	96
20) Methylene Chloride	4.92	84	155258	50.579	ug/l #	90
21) trans-1,2-Dichloroethene	5.41	96	147808	47.351	ug/l	91
22) Diisopropyl ether	6.31	45	523410	51.540	ug/l	98
23) Vinyl Acetate	6.25	43	1759957	277.799	ug/l	100
24) 1,1-Dichloroethane	6.21	63	297305	48.640	ug/l	99
25) 2-Butanone	7.17	43	309052	285.577	ug/l	95
26) 2,2-Dichloropropane	7.16	77	157194	44.981	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	171359	50.267	ug/l	97
28) Bromochloromethane	7.51	49	145355	54.879	ug/l	95
29) Tetrahydrofuran	7.53	42	199655	297.114	ug/l	99
30) Chloroform	7.67	83	315469	49.832	ug/l	98
31) Cyclohexane	7.95	56	248224	43.317	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	237154	46.273	ug/l	97
36) 1,1-Dichloropropene	8.07	75	232467	46.000	ug/l	99
37) Ethyl Acetate	7.25	43	134978	56.219	ug/l	100
38) Carbon Tetrachloride	8.06	117	233674	45.126	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	263664	45.675	ug/l	98
40) Benzene	8.32	78	647842	47.328	ug/l	100
41) Methacrylonitrile	7.48	41	72500	46.653	ug/l	98
42) 1,2-Dichloroethane	8.40	62	236221	50.619	ug/l	97
43) Isopropyl Acetate	8.42	43	259140	55.074	ug/l	99
44) Trichloroethene	9.09	130	166986	47.121	ug/l	96
45) 1,2-Dichloropropane	9.37	63	170969	48.797	ug/l	96
46) Dibromomethane	9.45	93	97369	51.300	ug/l	97
47) Bromodichloromethane	9.64	83	243168	50.225	ug/l	100
48) Methyl methacrylate	9.43	41	126463	57.335	ug/l	97
49) 1,4-Dioxane	9.45	88	33468	1184.059	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	724225	287.674	ug/l	100
52) Toluene	10.38	92	418180	48.783	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	245744	51.837	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	266206	50.645	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	133497	52.034	ug/l	94
56) Ethyl methacrylate	10.65	69	179107	50.376	ug/l	96
57) 1,3-Dichloropropane	10.93	76	236574	52.021	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	422121	246.783	ug/l	97
59) 2-Hexanone	10.97	43	510038	292.738	ug/l	99
60) Dibromochloromethane	11.13	129	161292	52.066	ug/l	98
61) 1,2-Dibromoethane	11.23	107	128885	52.387	ug/l	100
64) Tetrachloroethene	10.86	164	144975	46.388	ug/l	94
65) Chlorobenzene	11.66	112	464659	47.931	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	170891	48.381	ug/l	98
67) Ethyl Benzene	11.73	91	829398	48.560	ug/l	100
68) m/p-Xylenes	11.84	106	636936	98.212	ug/l	99
69) o-Xylene	12.16	106	300664	49.783	ug/l	98
70) Styrene	12.18	104	510367	50.592	ug/l	99
71) Bromoform	12.35	173	102716	54.036	ug/l #	100
73) Isopropylbenzene	12.46	105	851449	47.914	ug/l	100
74) N-amyl acetate	12.27	43	260141	55.529	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	177418	52.793	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	127266m	52.999	ug/l	
77) Bromobenzene	12.75	156	196992	48.137	ug/l	96
78) n-propylbenzene	12.80	91	1047277	47.792	ug/l	100
79) 2-Chlorotoluene	12.90	91	602306	48.365	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	729941	48.775	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	54170	52.459	ug/l	95
82) 4-Chlorotoluene	12.99	91	635056	48.455	ug/l	99
83) tert-Butylbenzene	13.21	119	631448	49.565	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	765065	49.728	ug/l	98
85) sec-Butylbenzene	13.38	105	924846	48.119	ug/l	99
86) p-Isopropyltoluene	13.50	119	818928	48.987	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	406739	48.137	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	407890	48.330	ug/l	99
89) n-Butylbenzene	13.83	91	797817	48.350	ug/l	99
90) Hexachloroethane	14.10	117	155347	48.527	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	374753	49.598	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	33526	54.647	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	249946	51.367	ug/l	99
94) Hexachlorobutadiene	15.24	225	144015	46.086	ug/l	98
95) Naphthalene	15.37	128	507202	51.216	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	228444	52.547	ug/l	100

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

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