

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004742.D
 Acq On : 17 Aug 2018 19:21
 Operator : SY/AP
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW081918

Manual Integrations
 APPROVED

apatel
 8/20/2018 9:54:11 AM

Quant Time: Aug 18 01:52:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	700649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1068758	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	998536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	534351	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	342884	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
35) Dibromofluoromethane	7.88	113	343868	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.33	98	1341078	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.62	95	492576	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	226393	48.78	ug/l	97
3) Chloromethane	2.22	50	295036	48.62	ug/l	100
4) Vinyl Chloride	2.37	62	432612	48.43	ug/l	99
5) Bromomethane	2.78	94	268885	48.74	ug/l	100
6) Chloroethane	2.93	64	266180	49.39	ug/l	100
7) Trichlorofluoromethane	3.26	101	200754	47.71	ug/l	99
8) Diethyl Ether	3.68	74	193338	50.82	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	352574	48.66	ug/l	99
10) Methyl Iodide	4.27	142	549334	49.92	ug/l	99
11) Tert butyl alcohol	5.21	59	105483	278.73	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	354045	49.03	ug/l	100
13) Acrolein	3.89	56	125303	246.73	ug/l	98
14) Allyl chloride	4.66	41	556820	50.82	ug/l	100
15) Acrylonitrile	5.37	53	427749	268.10	ug/l	100
16) Acetone	4.14	43	437571	253.05	ug/l	99
17) Carbon Disulfide	4.38	76	1166503	49.16	ug/l	100
18) Methyl Acetate	4.67	43	200670	54.15	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	509323	54.34	ug/l	97
20) Methylene Chloride	4.91	84	398939	50.58	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	386112	50.26	ug/l	98
22) Diisopropyl ether	6.31	45	1116886	53.03	ug/l	99
23) Vinyl Acetate	6.26	43	3294276	276.54	ug/l	99
24) 1,1-Dichloroethane	6.21	63	686105	50.13	ug/l	99
25) 2-Butanone	7.18	43	657570	266.89	ug/l	98
26) 2,2-Dichloropropane	7.17	77	366415	46.35	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	419789	50.76	ug/l	99
28) Bromochloromethane	7.51	49	304620	52.85	ug/l	98
29) Tetrahydrofuran	7.54	42	350725	279.16	ug/l	99
30) Chloroform	7.68	83	669755	49.76	ug/l	98
31) Cyclohexane	7.96	56	647444	48.91	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	525629	49.26	ug/l	99
36) 1,1-Dichloropropene	8.09	75	542226	49.25	ug/l	100
37) Ethyl Acetate	7.26	43	233287	53.15	ug/l	99
38) Carbon Tetrachloride	8.07	117	492467	48.59	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	709214	51.51	ug/l	99
40) Benzene	8.32	78	1582996	49.47	ug/l	100
41) Methacrylonitrile	7.49	41	133003	53.40	ug/l	97
42) 1,2-Dichloroethane	8.40	62	414953	50.57	ug/l	100
43) Isopropyl Acetate	8.43	43	430432	54.60	ug/l	99
44) Trichloroethene	9.09	130	396062	48.76	ug/l	100
45) 1,2-Dichloropropane	9.37	63	390613	49.91	ug/l	100
46) Dibromomethane	9.46	93	192426	49.63	ug/l	99
47) Bromodichloromethane	9.65	83	466144	50.34	ug/l	99
48) Methyl methacrylate	9.44	41	205528	55.56	ug/l	100
49) 1,4-Dioxane	9.48	88	63240	1116.32	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	1476308	277.08	ug/l	100
52) Toluene	10.39	92	958196	49.93	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	485898	52.08	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	574051	51.61	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	280665	50.92	ug/l	99
56) Ethyl methacrylate	10.65	69	367661	51.00	ug/l	100
57) 1,3-Dichloropropane	10.93	76	491587	51.67	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	857897	281.84	ug/l	99
59) 2-Hexanone	10.98	43	1012463	280.45	ug/l	100
60) Dibromochloromethane	11.13	129	317172	51.29	ug/l	100
61) 1,2-Dibromoethane	11.24	107	269344	51.12	ug/l	99
64) Tetrachloroethene	10.87	164	338904	49.66	ug/l	99
65) Chlorobenzene	11.66	112	1060239	49.33	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	359698	49.57	ug/l	100
67) Ethyl Benzene	11.74	91	1854484	50.90	ug/l	99
68) m/p-Xylenes	11.85	106	1447796	102.14	ug/l	99
69) o-Xylene	12.17	106	685001	52.20	ug/l	99
70) Styrene	12.18	104	1153477	52.33	ug/l	100
71) Bromoform	12.35	173	199389	52.06	ug/l #	99
73) Isopropylbenzene	12.47	105	1882396	51.78	ug/l	100
74) N-amyl acetate	12.28	43	424671	49.89	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	347820	51.65	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	271171m	57.57	ug/l	
77) Bromobenzene	12.75	156	438141	49.79	ug/l	98
78) n-propylbenzene	12.81	91	2295844	51.75	ug/l	100
79) 2-Chlorotoluene	12.90	91	1300949	50.88	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1606917	52.03	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	107118	52.86	ug/l	99
82) 4-Chlorotoluene	12.99	91	1371265	50.47	ug/l	100
83) tert-Butylbenzene	13.21	119	1383770	52.38	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1664059	52.37	ug/l	100
85) sec-Butylbenzene	13.39	105	2038711	51.69	ug/l	99
86) p-Isopropyltoluene	13.51	119	1793542	52.27	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	897342	50.14	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	890454	49.77	ug/l	99
89) n-Butylbenzene	13.83	91	1739948	52.44	ug/l	100
90) Hexachloroethane	14.10	117	313502	50.12	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	808797	50.31	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	57693	54.82	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	604362	53.15	ug/l	100
94) Hexachlorobutadiene	15.24	225	351347	50.34	ug/l	99
95) Naphthalene	15.38	128	1125981	51.03	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	536902	53.25	ug/l	99

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

