

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091819\
 Data File : VW013150.D
 Acq On : 19 Sep 2019 08:49
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 11:21:44 AM

Quant Time: Sep 19 09:58:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	276947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	456241	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	422582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	215079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	132468	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
35) Dibromofluoromethane	7.88	113	124950	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.32	98	483764	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.62	95	176105	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	31230	27.441	ug/l	87
3) Chloromethane	2.21	50	50161	36.310	ug/l	94
4) Vinyl Chloride	2.36	62	62124	31.339	ug/l	98
5) Bromomethane	2.75	94	49685	41.043	ug/l	94
6) Chloroethane	2.91	64	46426	38.186	ug/l	100
7) Trichlorofluoromethane	3.25	101	41406	29.870	ug/l	93
8) Diethyl Ether	3.68	74	63651	58.806	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	81958	38.982	ug/l	98
10) Methyl Iodide	4.26	142	137858	52.394	ug/l	94
11) Tert butyl alcohol	5.16	59	48278	282.384	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	77813	40.705	ug/l	90
13) Acrolein	3.89	56	31505	164.690	ug/l	98
14) Allyl chloride	4.66	41	158875	43.778	ug/l	91
15) Acrylonitrile	5.36	53	165020	298.501	ug/l	98
16) Acetone	4.12	43	123929	221.024	ug/l	90
17) Carbon Disulfide	4.38	76	130213	34.180	ug/l	100
18) Methyl Acetate	4.67	43	96853	66.463	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	221920	58.810	ug/l	95
20) Methylene Chloride	4.91	84	120490	59.270	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	97670	47.703	ug/l	97
22) Diisopropyl ether	6.31	45	422971	56.102	ug/l	94
23) Vinyl Acetate	6.25	43	1126606	249.494	ug/l	96
24) 1,1-Dichloroethane	6.21	63	212725	48.937	ug/l	97
25) 2-Butanone	7.17	43	211863	260.491	ug/l	94
26) 2,2-Dichloropropane	7.16	77	101435	35.513	ug/l	92
27) cis-1,2-Dichloroethene	7.17	96	134792	54.989	ug/l	89
28) Bromochloromethane	7.51	49	110473	60.381	ug/l #	92
29) Tetrahydrofuran	7.53	42	136488	294.526	ug/l	96
30) Chloroform	7.67	83	223806	50.672	ug/l	98
31) Cyclohexane	7.95	56	127797	38.158	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	150958	41.503	ug/l	96
36) 1,1-Dichloropropene	8.08	75	131593	36.095	ug/l	97
37) Ethyl Acetate	7.25	43	91357	47.210	ug/l	96
38) Carbon Tetrachloride	8.07	117	127975	34.254	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	136911	34.271	ug/l	96
40) Benzene	8.32	78	462623	45.454	ug/l	98
41) Methacrylonitrile	7.48	41	60321	47.335	ug/l	90
42) 1,2-Dichloroethane	8.40	62	149399	43.789	ug/l	95
43) Isopropyl Acetate	8.42	43	178345	48.000	ug/l	96
44) Trichloroethene	9.09	130	121822	43.699	ug/l	94
45) 1,2-Dichloropropane	9.37	63	134526	49.749	ug/l	100
46) Dibromomethane	9.46	93	66516	51.343	ug/l	98
47) Bromodichloromethane	9.64	83	171888	47.301	ug/l	98
48) Methyl methacrylate	9.43	41	90151	51.699	ug/l	91
49) 1,4-Dioxane	9.45	88	23055	1062.050	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	474620	247.426	ug/l	95
52) Toluene	10.39	92	304547	47.090	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	169847	46.474	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	198839	47.550	ug/l #	90
55) 1,1,2-Trichloroethane	10.79	97	107211	54.323	ug/l	97
56) Ethyl methacrylate	10.65	69	146340	55.088	ug/l	89
57) 1,3-Dichloropropane	10.93	76	185740	53.054	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	430125	301.837	ug/l	97
59) 2-Hexanone	10.97	43	321982	241.061	ug/l	94
60) Dibromochloromethane	11.13	129	122091	51.169	ug/l	98
61) 1,2-Dibromoethane	11.23	107	97621	54.223	ug/l	99
64) Tetrachloroethene	10.86	164	121673	48.399	ug/l	99
65) Chlorobenzene	11.66	112	347845	46.212	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	135420	46.947	ug/l	98
67) Ethyl Benzene	11.73	91	596795	42.929	ug/l	99
68) m/p-Xylenes	11.84	106	450107	88.630	ug/l	95
69) o-Xylene	12.16	106	220990	46.415	ug/l	96
70) Styrene	12.18	104	411285	48.560	ug/l	96
71) Bromoform	12.35	173	75726	49.979	ug/l #	98
73) Isopropylbenzene	12.46	105	596698	41.856	ug/l	100
74) N-amyl acetate	12.27	43	162745	44.378	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	128837	51.455	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	80893m	42.939	ug/l	
77) Bromobenzene	12.74	156	160444	48.853	ug/l	93
78) n-propylbenzene	12.80	91	672879	40.125	ug/l	98
79) 2-Chlorotoluene	12.89	91	414420	42.990	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	507795	42.104	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	35043	42.196	ug/l	92
82) 4-Chlorotoluene	12.99	91	435011	42.769	ug/l	96
83) tert-Butylbenzene	13.21	119	446936	41.430	ug/l	96
84) 1,2,4-Trimethylbenzene	13.25	105	519928	43.626	ug/l	96
85) sec-Butylbenzene	13.38	105	591961	40.276	ug/l	99
86) p-Isopropyltoluene	13.50	119	551191	40.846	ug/l	97
87) 1,3-Dichlorobenzene	13.50	146	294650	45.321	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	296449	46.400	ug/l	98
89) n-Butylbenzene	13.82	91	482359	37.903	ug/l	98
90) Hexachloroethane	14.09	117	98762	40.841	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	277814	48.591	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18714	40.832	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	193608	47.483	ug/l	99
94) Hexachlorobutadiene	15.24	225	110820	38.392	ug/l	99
95) Naphthalene	15.36	128	363546	53.361	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	175866	48.792	ug/l	99

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

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