

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032919\
 Data File : VW009569.D
 Acq On : 29 Mar 2019 12:10
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:04:48 AM

Quant Time: Mar 29 13:24:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:10:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	323310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	512629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	480129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	251292	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	578588	154.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.38%	
35) Dibromofluoromethane	7.88	113	484406	149.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.36%	
50) Toluene-d8	10.32	98	1887442	151.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.26%	
62) 4-Bromofluorobenzene	12.62	95	721916	154.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	293610	155.317	ug/l	94
3) Chloromethane	2.21	50	403480	161.300	ug/l	97
4) Vinyl Chloride	2.37	62	511825	149.070	ug/l	97
5) Bromomethane	2.77	94	373938	144.188	ug/l	97
6) Chloroethane	2.92	64	362217	139.552	ug/l	98
7) Trichlorofluoromethane	3.25	101	376381	157.989	ug/l	95
8) Diethyl Ether	3.67	74	244722	145.398	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	462929	145.528	ug/l	97
10) Methyl Iodide	4.26	142	644168	144.163	ug/l	97
11) Tert butyl alcohol	5.17	59	172458	832.429	ug/l	99
12) 1,1-Dichloroethene	4.04	96	440297	145.883	ug/l	98
13) Acrolein	3.88	56	117420	748.862	ug/l	97
14) Allyl chloride	4.66	41	749722	150.595	ug/l	98
15) Acrylonitrile	5.36	53	600481	805.030	ug/l	99
16) Acetone	4.12	43	630643	755.296	ug/l	94
17) Carbon Disulfide	4.37	76	1223102	145.072	ug/l	99
18) Methyl Acetate	4.67	43	321115	164.654	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	652883	149.710	ug/l	99
20) Methylene Chloride	4.91	84	464722	141.065	ug/l	89
21) trans-1,2-Dichloroethene	5.42	96	482244	148.672	ug/l	95
22) Diisopropyl ether	6.31	45	1705584	156.817	ug/l	97
23) Vinyl Acetate	6.25	43	5697862	831.283	ug/l	99
24) 1,1-Dichloroethane	6.21	63	947116	148.631	ug/l	98
25) 2-Butanone	7.16	43	951530	837.053	ug/l	98
26) 2,2-Dichloropropane	7.16	77	516662	141.713	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	549524	152.952	ug/l	96
28) Bromochloromethane	7.51	49	445685	165.746	ug/l	93
29) Tetrahydrofuran	7.52	42	610660	858.155	ug/l	98
30) Chloroform	7.67	83	982600	149.938	ug/l	98
31) Cyclohexane	7.95	56	833946	146.601	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	776058	145.416	ug/l	98
36) 1,1-Dichloropropene	8.08	75	751914	140.923	ug/l	100
37) Ethyl Acetate	7.25	43	404132	161.244	ug/l	99
38) Carbon Tetrachloride	8.07	117	769710	142.474	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	902838	146.863	ug/l	98
40) Benzene	8.32	78	2073796	143.707	ug/l	99
41) Methacrylonitrile	7.48	41	259134	173.777	ug/l	88
42) 1,2-Dichloroethane	8.40	62	704646	146.309	ug/l	99
43) Isopropyl Acetate	8.42	43	798410	164.412	ug/l	98
44) Trichloroethene	9.09	130	534047	143.385	ug/l	98
45) 1,2-Dichloropropane	9.37	63	530770	144.246	ug/l	98
46) Dibromomethane	9.46	93	295193	150.049	ug/l	96
47) Bromodichloromethane	9.64	83	756548	147.608	ug/l	97
48) Methyl methacrylate	9.43	41	402736	167.263	ug/l	96
49) 1,4-Dioxane	9.44	88	96022	3156.746	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	2181701	819.577	ug/l	100
52) Toluene	10.39	92	1364087	147.384	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	799624	156.706	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	870289	153.450	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	404680	151.237	ug/l	95
56) Ethyl methacrylate	10.65	69	591358	169.988	ug/l	97
57) 1,3-Dichloropropane	10.93	76	733660	152.496	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	1388172	814.500	ug/l	97
59) 2-Hexanone	10.97	43	1563481	825.529	ug/l	99
60) Dibromochloromethane	11.13	129	502670	154.715	ug/l	98
61) 1,2-Dibromoethane	11.24	107	395354	153.094	ug/l	100
64) Tetrachloroethene	10.86	164	468653	146.985	ug/l	98
65) Chlorobenzene	11.66	112	1457203	145.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	545902	148.100	ug/l	100
67) Ethyl Benzene	11.73	91	2711422	147.531	ug/l	100
68) m/p-Xylenes	11.84	106	2033974	291.240	ug/l	98
69) o-Xylene	12.17	106	988529	150.882	ug/l	99
70) Styrene	12.18	104	1659359	149.907	ug/l	99
71) Bromoform	12.35	173	315406	158.567	ug/l #	100
73) Isopropylbenzene	12.46	105	2801821	150.951	ug/l	100
74) N-amyl acetate	12.27	43	819947	175.183	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	517464	158.078	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	380123m	159.939	ug/l	
77) Bromobenzene	12.75	156	602654	145.676	ug/l	96
78) n-propylbenzene	12.80	91	3337201	145.952	ug/l	100
79) 2-Chlorotoluene	12.90	91	1885388	146.748	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	2289395	145.755	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	174376	171.291	ug/l	97
82) 4-Chlorotoluene	12.99	91	1991130	147.155	ug/l	98
83) tert-Butylbenzene	13.21	119	1987736	148.734	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	2349985	144.892	ug/l	99
85) sec-Butylbenzene	13.38	105	2889722	142.374	ug/l	99
86) p-Isopropyltoluene	13.50	119	2560962	145.169	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	1220455	143.318	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1188284	140.346	ug/l	99
89) n-Butylbenzene	13.83	91	2491211	143.397	ug/l	98
90) Hexachloroethane	14.10	117	475834	145.606	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	1093642	142.664	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	93963	155.900	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	739767	145.683	ug/l	99
94) Hexachlorobutadiene	15.24	225	435267	137.894	ug/l	99
95) Naphthalene	15.37	128	1495671	158.737	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	654745	146.344	ug/l	100

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

