

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
 Data File : VW008642.D
 Acq On : 13 Feb 2019 16:03
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 2:09:04 PM

Quant Time: Feb 14 04:00:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:43:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	412964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	641634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	578386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	310024	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	456783	106.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.78%	
35) Dibromofluoromethane	7.88	113	406447	102.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.04%	
50) Toluene-d8	10.32	98	1582016	103.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.02%	
62) 4-Bromofluorobenzene	12.62	95	609737	105.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	277854	105.049	ug/l	98
3) Chloromethane	2.21	50	410409	107.634	ug/l	99
4) Vinyl Chloride	2.37	62	524307	104.681	ug/l	100
5) Bromomethane	2.77	94	417947	105.455	ug/l	99
6) Chloroethane	2.92	64	393084	105.473	ug/l	100
7) Trichlorofluoromethane	3.25	101	442407	113.409	ug/l	100
8) Diethyl Ether	3.67	74	241645	103.803	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	422969	102.600	ug/l	98
10) Methyl Iodide	4.26	142	659922	102.562	ug/l	100
11) Tert butyl alcohol	5.18	59	164521	488.163	ug/l	100
12) 1,1-Dichloroethene	4.03	96	407454	101.065	ug/l	96
13) Acrolein	3.89	56	181658	513.286	ug/l	96
14) Allyl chloride	4.65	41	711814	106.269	ug/l	100
15) Acrylonitrile	5.36	53	512263	522.803	ug/l	99
16) Acetone	4.12	43	501568	515.165	ug/l	99
17) Carbon Disulfide	4.37	76	1253467	103.025	ug/l	99
18) Methyl Acetate	4.67	43	229352	102.734	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	727878	102.846	ug/l	97
20) Methylene Chloride	4.90	84	421094	75.320	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	448675	101.622	ug/l	95
22) Diisopropyl ether	6.31	45	1410286	104.611	ug/l	98
23) Vinyl Acetate	6.25	43	4769212	545.074	ug/l	100
24) 1,1-Dichloroethane	6.21	63	804192	103.376	ug/l	100
25) 2-Butanone	7.17	43	733759	531.888	ug/l	99
26) 2,2-Dichloropropane	7.16	77	491846	101.207	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	486225	101.843	ug/l	97
28) Bromochloromethane	7.51	49	357567	108.883	ug/l	99
29) Tetrahydrofuran	7.53	42	478586	526.338	ug/l	99
30) Chloroform	7.67	83	806994	103.529	ug/l	98
31) Cyclohexane	7.95	56	753601	95.977	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	682822	103.722	ug/l	99
36) 1,1-Dichloropropene	8.08	75	653701	101.406	ug/l	100
37) Ethyl Acetate	7.25	43	331435	106.584	ug/l	99
38) Carbon Tetrachloride	8.07	117	666288	103.943	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	826487	101.365	ug/l	99
40) Benzene	8.32	78	1775137	100.828	ug/l	100
41) Methacrylonitrile	7.48	41	169453	96.853	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	559416	102.440	ug/l	100
43) Isopropyl Acetate	8.42	43	667222	107.606	ug/l	100
44) Trichloroethene	9.09	130	490789	100.542	ug/l	100
45) 1,2-Dichloropropane	9.37	63	443688	101.832	ug/l	97
46) Dibromomethane	9.45	93	246179	102.568	ug/l	100
47) Bromodichloromethane	9.64	83	617669	107.081	ug/l	99
48) Methyl methacrylate	9.43	41	314803	109.551	ug/l	99
49) 1,4-Dioxane	9.45	88	78988	2061.705	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	1706962	535.907	ug/l	100
52) Toluene	10.38	92	1177969	103.715	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	666510	109.989	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	732440	106.625	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	340223	103.308	ug/l	97
56) Ethyl methacrylate	10.65	69	480697	109.923	ug/l	98
57) 1,3-Dichloropropane	10.93	76	600423	102.756	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	1124843	536.209	ug/l	99
59) 2-Hexanone	10.97	43	1224758	547.356	ug/l	99
60) Dibromochloromethane	11.13	129	426265	108.176	ug/l	100
61) 1,2-Dibromoethane	11.23	107	338034	104.248	ug/l	99
64) Tetrachloroethene	10.86	164	434505	101.022	ug/l	99
65) Chlorobenzene	11.66	112	1271458	101.992	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	466763	105.693	ug/l	99
67) Ethyl Benzene	11.73	91	2300696	103.605	ug/l	99
68) m/p-Xylenes	11.84	106	1798103	208.107	ug/l	99
69) o-Xylene	12.16	106	864800	105.887	ug/l	99
70) Styrene	12.18	104	1455266	109.092	ug/l	99
71) Bromoform	12.35	173	268001	112.629	ug/l #	100
73) Isopropylbenzene	12.46	105	2414034	104.535	ug/l	99
74) N-amyl acetate	12.27	43	709195	113.566	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	423399	105.379	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	306187m	82.749	ug/l	
77) Bromobenzene	12.75	156	540295	101.781	ug/l	98
78) n-propylbenzene	12.80	91	2850443	103.884	ug/l	100
79) 2-Chlorotoluene	12.90	91	1610755	103.869	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	2003998	104.476	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	148575	118.634	ug/l	97
82) 4-Chlorotoluene	12.99	91	1719483	104.627	ug/l	99
83) tert-Butylbenzene	13.21	119	1719931	103.265	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	2061248	104.554	ug/l	98
85) sec-Butylbenzene	13.38	105	2523283	104.046	ug/l	99
86) p-Isopropyltoluene	13.50	119	2261634	104.244	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1092210	101.496	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	1070644	100.951	ug/l	100
89) n-Butylbenzene	13.83	91	2152411	104.401	ug/l	99
90) Hexachloroethane	14.10	117	408773	107.844	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	966328	101.355	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	73516	105.293	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	668046	98.433	ug/l	99
94) Hexachlorobutadiene	15.24	225	385870	97.674	ug/l	99
95) Naphthalene	15.37	128	1262960	103.840	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	578258	99.291	ug/l	100

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

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