

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012419\
 Data File : VW008397.D
 Acq On : 24 Jan 2019 15:16
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

sam
 1/25/2019 1:42:57 PM

Quant Time: Jan 25 10:54:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 10:41:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	593744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	932510	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	832123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	422001	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	100473	16.27	ug/l	0.00
Spiked Amount			Recovery	=	32.54%	
35) Dibromofluoromethane	7.88	113	97161	16.32	ug/l	0.00
Spiked Amount			Recovery	=	32.64%	
50) Toluene-d8	10.32	98	377374	16.14	ug/l	0.00
Spiked Amount			Recovery	=	32.28%	
62) 4-Bromofluorobenzene	12.62	95	144725	17.26	ug/l	0.00
Spiked Amount			Recovery	=	34.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	51018	13.637	ug/l	98
3) Chloromethane	2.21	50	81296	14.824	ug/l	97
4) Vinyl Chloride	2.36	62	108270	15.451	ug/l	99
5) Bromomethane	2.78	94	69115	13.015	ug/l	89
6) Chloroethane	2.92	64	64281	14.015	ug/l	100
7) Trichlorofluoromethane	3.25	101	77100	14.985	ug/l	100
8) Diethyl Ether	3.68	74	53543	15.007	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	93477	15.605	ug/l	95
10) Methyl Iodide	4.26	142	152795	15.816	ug/l	99
11) Tert butyl alcohol	5.17	59	42032	101.074	ug/l #	81
12) 1,1-Dichloroethene	4.03	96	99598	16.348	ug/l	99
13) Acrolein	3.89	56	43445	115.213	ug/l	99
14) Allyl chloride	4.66	41	187547	18.414	ug/l	97
15) Acrylonitrile	5.36	53	116647	85.112	ug/l	98
16) Acetone	4.12	43	112993	78.776	ug/l	100
17) Carbon Disulfide	4.37	76	307036	16.562	ug/l	99
18) Methyl Acetate	4.67	43	62512	16.315	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	167089	17.916	ug/l	96
20) Methylene Chloride	4.91	84	110375	14.491	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	110638	16.169	ug/l	98
22) Diisopropyl ether	6.31	45	351458	17.675	ug/l	99
23) Vinyl Acetate	6.25	43	1041444	97.981	ug/l	99
24) 1,1-Dichloroethane	6.21	63	201794	16.667	ug/l	99
25) 2-Butanone	7.17	43	163753	89.135	ug/l	98
26) 2,2-Dichloropropane	7.17	77	138119	17.877	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	120206	16.214	ug/l	99
28) Bromochloromethane	7.51	49	97223	19.491	ug/l	100
29) Tetrahydrofuran	7.53	42	103142	90.057	ug/l	98
30) Chloroform	7.68	83	196808	16.430	ug/l	99
31) Cyclohexane	7.95	56	207126	17.956	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	169547	16.865	ug/l	99
36) 1,1-Dichloropropene	8.08	75	165997	17.693	ug/l	100
37) Ethyl Acetate	7.25	43	72565	18.756	ug/l	98
38) Carbon Tetrachloride	8.07	117	162850	17.578	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	211901	18.988	ug/l	98
40) Benzene	8.32	78	451820	17.001	ug/l	99
41) Methacrylonitrile	7.48	41	41637	18.487	ug/l	95
42) 1,2-Dichloroethane	8.40	62	130053	17.501	ug/l	98
43) Isopropyl Acetate	8.43	43	150119	20.542	ug/l	98
44) Trichloroethene	9.09	130	123568	16.971	ug/l	98
45) 1,2-Dichloropropane	9.37	63	111394	16.874	ug/l	98
46) Dibromomethane	9.46	93	57859	16.817	ug/l	98
47) Bromodichloromethane	9.65	83	151874	17.895	ug/l	99
48) Methyl methacrylate	9.44	41	73445	21.349	ug/l	97
49) 1,4-Dioxane	9.45	88	19129	345.373	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	366180	98.956	ug/l	100
52) Toluene	10.39	92	291336	17.323	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	164048	19.367	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	184230	18.450	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	81102	16.995	ug/l	98
56) Ethyl methacrylate	10.65	69	109748	19.582	ug/l	100
57) 1,3-Dichloropropane	10.93	76	143940	17.372	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	282092	104.350	ug/l	99
59) 2-Hexanone	10.97	43	259093	99.929	ug/l	99
60) Dibromochloromethane	11.13	129	102928	18.072	ug/l	98
61) 1,2-Dibromoethane	11.24	107	79418	17.186	ug/l	99
64) Tetrachloroethene	10.86	164	103891	17.806	ug/l	97
65) Chlorobenzene	11.66	112	318175	17.530	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	112662	18.035	ug/l	99
67) Ethyl Benzene	11.73	91	572555	18.168	ug/l	99
68) m/p-Xylenes	11.84	106	442501	36.174	ug/l	99
69) o-Xylene	12.17	106	208191	18.217	ug/l	100
70) Styrene	12.18	104	342686	18.668	ug/l	98
71) Bromoform	12.35	173	63527	20.414	ug/l #	98
73) Isopropylbenzene	12.47	105	576556	18.751	ug/l	99
74) N-amyl acetate	12.27	43	147307	22.355	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	93189	17.818	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	68081m	17.716	ug/l	
77) Bromobenzene	12.75	156	127889	17.316	ug/l	98
78) n-propylbenzene	12.80	91	696542	18.716	ug/l	98
79) 2-Chlorotoluene	12.90	91	387057	18.202	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	482933	18.822	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	34209	21.243	ug/l	98
82) 4-Chlorotoluene	12.99	91	411720	18.529	ug/l	100
83) tert-Butylbenzene	13.21	119	429247	19.007	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	497009	19.015	ug/l	99
85) sec-Butylbenzene	13.39	105	611488	18.859	ug/l	100
86) p-Isopropyltoluene	13.51	119	539009	19.033	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	256825	17.501	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	254092	17.283	ug/l	99
89) n-Butylbenzene	13.83	91	527705	19.426	ug/l	99
90) Hexachloroethane	14.10	117	105760	20.180	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	227417	17.553	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17972	21.015	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	165376	18.856	ug/l	99
94) Hexachlorobutadiene	15.24	225	98200	19.867	ug/l	99
95) Naphthalene	15.37	128	287564	19.621	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	137893	18.050	ug/l	99

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

