

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010219\
 Data File : VW008006.D
 Acq On : 02 Jan 2019 13:45
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 10:55:23 AM

Quant Time: Jan 03 04:54:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 04:40:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	68729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	107955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	97801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	49337	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	14970	19.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.38%	
35) Dibromofluoromethane	7.88	113	12923	18.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.98%	
50) Toluene-d8	10.32	98	49522	19.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.80%	
62) 4-Bromofluorobenzene	12.62	95	18915	19.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12127	18.952	ug/l	98
3) Chloromethane	2.21	50	8882	18.983	ug/l	98
4) Vinyl Chloride	2.37	62	11969	19.806	ug/l	95
5) Bromomethane	2.78	94	7377	19.214	ug/l	99
6) Chloroethane	2.93	64	6147	19.902	ug/l	91
7) Trichlorofluoromethane	3.26	101	11637	19.184	ug/l	97
8) Diethyl Ether	3.68	74	6488	20.824	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	14877	20.637	ug/l	98
10) Methyl Iodide	4.26	142	23375	20.155	ug/l	98
11) Tert butyl alcohol	5.17	59	5049	102.233	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	13884	20.121	ug/l	86
13) Acrolein	3.89	56	3394	101.428	ug/l	98
14) Allyl chloride	4.67	41	19065	20.394	ug/l	98
15) Acrylonitrile	5.37	53	11793	102.909	ug/l	98
16) Acetone	4.12	43	11495	97.686	ug/l	92
17) Carbon Disulfide	4.38	76	41095	19.497	ug/l	96
18) Methyl Acetate	4.67	43	6050	19.825	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	22439	20.663	ug/l	100
20) Methylene Chloride	4.90	84	15822	19.494	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	14951	19.914	ug/l	97
22) Diisopropyl ether	6.31	45	34241	20.407	ug/l	97
23) Vinyl Acetate	6.26	43	96813	103.124	ug/l	100
24) 1,1-Dichloroethane	6.21	63	25346	20.330	ug/l	98
25) 2-Butanone	7.17	43	13908	100.314	ug/l	93
26) 2,2-Dichloropropane	7.17	77	21014	20.459	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	16284	20.362	ug/l	96
28) Bromochloromethane	7.51	49	7597	18.959	ug/l #	99
29) Tetrahydrofuran	7.53	42	9027	104.820	ug/l	98
30) Chloroform	7.68	83	27941	19.997	ug/l	94
31) Cyclohexane	7.95	56	23045	19.832	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	27666	20.693	ug/l	100
36) 1,1-Dichloropropene	8.08	75	21488	20.178	ug/l	99
37) Ethyl Acetate	7.26	43	6662	20.826	ug/l	98
38) Carbon Tetrachloride	8.07	117	25518	19.994	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	27075	20.397	ug/l	97
40) Benzene	8.32	78	56728	20.192	ug/l	100
41) Methacrylonitrile	7.48	41	3728	18.915	ug/l	92
42) 1,2-Dichloroethane	8.40	62	18670	19.946	ug/l	97
43) Isopropyl Acetate	8.42	43	12706	19.880	ug/l	98
44) Trichloroethene	9.09	130	16997	20.502	ug/l	95
45) 1,2-Dichloropropane	9.37	63	12237	20.123	ug/l	98
46) Dibromomethane	9.46	93	7079	19.911	ug/l	95
47) Bromodichloromethane	9.65	83	20335	20.421	ug/l	97
48) Methyl methacrylate	9.44	41	6517	20.222	ug/l	98
49) 1,4-Dioxane	9.45	88	2129	404.649	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	30070	101.637	ug/l	100
52) Toluene	10.39	92	38044	20.512	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	19342	20.200	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	21509	20.130	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	10001	20.776	ug/l	95
56) Ethyl methacrylate	10.65	69	11331	20.822	ug/l	94
57) 1,3-Dichloropropane	10.93	76	16345	19.983	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	27002	104.623	ug/l	99
59) 2-Hexanone	10.97	43	20946	102.553	ug/l	98
60) Dibromochloromethane	11.13	129	13108	19.893	ug/l	98
61) 1,2-Dibromoethane	11.24	107	9938	20.630	ug/l	97
64) Tetrachloroethene	10.87	164	14005	20.731	ug/l	97
65) Chlorobenzene	11.66	112	41828	20.011	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	15437	20.394	ug/l	97
67) Ethyl Benzene	11.73	91	76270	20.558	ug/l	99
68) m/p-Xylenes	11.84	106	59233	41.296	ug/l	99
69) o-Xylene	12.17	106	27431	20.553	ug/l	99
70) Styrene	12.18	104	45029	20.700	ug/l	99
71) Bromoform	12.35	173	6964	19.858	ug/l #	98
73) Isopropylbenzene	12.47	105	78795	20.085	ug/l	99
74) N-amyl acetate	12.27	43	12241	20.045	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	10054	20.141	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	8157m	11.869	ug/l	
77) Bromobenzene	12.75	156	17414	20.651	ug/l	99
78) n-propylbenzene	12.81	91	92625	20.364	ug/l	99
79) 2-Chlorotoluene	12.90	91	53962	20.527	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	68137	20.177	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3202	19.292	ug/l	95
82) 4-Chlorotoluene	12.99	91	56745	20.300	ug/l	99
83) tert-Butylbenzene	13.21	119	60319	20.416	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	69585	20.344	ug/l	99
85) sec-Butylbenzene	13.39	105	83960	20.658	ug/l	98
86) p-Isopropyltoluene	13.51	119	75765	20.667	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	34483	20.267	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	34099	20.244	ug/l	98
89) n-Butylbenzene	13.83	91	68885	20.543	ug/l	100
90) Hexachloroethane	14.10	117	12550	19.729	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	30165	20.176	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2077	20.501	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	21880	20.836	ug/l	99
94) Hexachlorobutadiene	15.24	225	12487	20.595	ug/l	97
95) Naphthalene	15.38	128	36562	20.444	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	17627	20.401	ug/l	98

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

