

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091419\
 Data File : VW012954.D
 Acq On : 13 Sep 2019 14:58
 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

MMDadoda
 9/16/2019 12:43:38 AM

Quant Time: Sep 13 17:17:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 16:59:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	277120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	403726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	343668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	174930	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	47782	18.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.34%	
35) Dibromofluoromethane	7.88	113	41726	19.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.10%	
50) Toluene-d8	10.32	98	157331	18.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.70%	
62) 4-Bromofluorobenzene	12.62	95	58800	19.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	28728	24.248	ug/l	95
3) Chloromethane	2.21	50	32196	21.249	ug/l	98
4) Vinyl Chloride	2.36	62	42517	21.435	ug/l	99
5) Bromomethane	2.77	94	25173	20.782	ug/l	96
6) Chloroethane	2.92	64	25951	21.332	ug/l	98
7) Trichlorofluoromethane	3.25	101	27310	19.689	ug/l	93
8) Diethyl Ether	3.68	74	20559	18.982	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	40749	19.370	ug/l	97
10) Methyl Iodide	4.27	142	54790	20.810	ug/l	99
11) Tert butyl alcohol	5.17	59	18281m	91.132	ug/l	
12) 1,1-Dichloroethene	4.04	96	38425	20.088	ug/l	96
13) Acrolein	3.89	56	19035	101.390	ug/l	98
14) Allyl chloride	4.67	41	71331	19.643	ug/l	100
15) Acrylonitrile	5.37	53	51891	93.806	ug/l	98
16) Acetone	4.13	43	52100	85.692	ug/l	95
17) Carbon Disulfide	4.38	76	81449	21.367	ug/l	99
18) Methyl Acetate	4.67	43	26271	18.017	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	72689	19.251	ug/l	96
20) Methylene Chloride	4.91	84	46518	19.337	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	39804	19.429	ug/l	100
22) Diisopropyl ether	6.31	45	146179	19.377	ug/l	98
23) Vinyl Acetate	6.25	43	422700	93.551	ug/l	97
24) 1,1-Dichloroethane	6.21	63	84357	19.394	ug/l	97
25) 2-Butanone	7.17	43	75204	92.408	ug/l	99
26) 2,2-Dichloropropane	7.17	77	58379	18.928	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	47817	19.495	ug/l	99
28) Bromochloromethane	7.51	49	33498	18.297	ug/l	100
29) Tetrahydrofuran	7.52	42	43010	92.753	ug/l	98
30) Chloroform	7.68	83	85243	19.288	ug/l	97
31) Cyclohexane	7.95	56	72592	19.588	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	70692	19.423	ug/l	97
36) 1,1-Dichloropropene	8.08	75	63584	19.709	ug/l	99
37) Ethyl Acetate	7.25	43	31719	18.523	ug/l	99
38) Carbon Tetrachloride	8.07	117	64974	19.653	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	71689	20.279	ug/l	98
40) Benzene	8.32	78	177293	19.686	ug/l	98
41) Methacrylonitrile	7.48	41	21277	18.868	ug/l	92
42) 1,2-Dichloroethane	8.40	62	57282	18.973	ug/l	99
43) Isopropyl Acetate	8.42	43	58347	17.746	ug/l	99
44) Trichloroethene	9.09	130	47852	19.398	ug/l	87
45) 1,2-Dichloropropane	9.37	63	45714	19.105	ug/l	99
46) Dibromomethane	9.46	93	21710	18.938	ug/l	97
47) Bromodichloromethane	9.64	83	59958	18.646	ug/l	100
48) Methyl methacrylate	9.43	41	28015	18.156	ug/l	99
49) 1,4-Dioxane	9.46	88	7254	377.629	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	154041	90.749	ug/l	100
52) Toluene	10.38	92	111216	19.433	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	59636	18.440	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	69452	18.769	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	33217	19.020	ug/l	93
56) Ethyl methacrylate	10.65	69	42502	18.080	ug/l	98
57) 1,3-Dichloropropane	10.93	76	58321	18.825	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	122104	96.831	ug/l	99
59) 2-Hexanone	10.97	43	105499	89.259	ug/l	99
60) Dibromochloromethane	11.12	129	38704	18.331	ug/l	95
61) 1,2-Dibromoethane	11.23	107	30541	19.170	ug/l	100
64) Tetrachloroethene	10.86	164	39629	19.383	ug/l	99
65) Chlorobenzene	11.65	112	116697	19.063	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	43684	18.622	ug/l	97
67) Ethyl Benzene	11.73	91	217524	19.240	ug/l	99
68) m/p-Xylenes	11.84	106	161284	39.051	ug/l	99
69) o-Xylene	12.16	106	74815	19.322	ug/l	99
70) Styrene	12.18	104	133076	19.320	ug/l	99
71) Bromoform	12.35	173	22696	18.419	ug/l #	97
73) Isopropylbenzene	12.46	105	222631	19.201	ug/l	100
74) N-amyl acetate	12.27	43	54418	18.245	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	37071	18.203	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	24540m	16.626	ug/l	
77) Bromobenzene	12.74	156	49854	18.664	ug/l	98
78) n-propylbenzene	12.80	91	258134	18.926	ug/l	100
79) 2-Chlorotoluene	12.89	91	148687	18.964	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	189741	19.343	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	12088	17.896	ug/l	96
82) 4-Chlorotoluene	12.99	91	153497	18.555	ug/l	98
83) tert-Butylbenzene	13.21	119	166346	18.959	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	187458	19.339	ug/l	100
85) sec-Butylbenzene	13.38	105	226095	18.914	ug/l	99
86) p-Isopropyltoluene	13.50	119	209521	19.090	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	98957	18.714	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	96868	18.642	ug/l	98
89) n-Butylbenzene	13.82	91	196333	18.968	ug/l	100
90) Hexachloroethane	14.09	117	36207	18.409	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	87163	18.744	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6693	17.955	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	61649	18.590	ug/l	99
94) Hexachlorobutadiene	15.23	225	45251	19.275	ug/l	98
95) Naphthalene	15.36	128	98117	17.707	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	54773	18.684	ug/l	100

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

