

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010450.D
 Acq On : 20 May 2019 16:02
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/21/2019 11:28:40 AM

Quant Time: May 21 06:35:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:23:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	146415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	254196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	227700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109212	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	30134	19.10	ug/l	0.00
Spiked Amount			Recovery	=	38.20%	
35) Dibromofluoromethane	7.88	113	30371	19.49	ug/l	0.00
Spiked Amount			Recovery	=	38.98%	
50) Toluene-d8	10.32	98	117171	20.10	ug/l	0.00
Spiked Amount			Recovery	=	40.20%	
62) 4-Bromofluorobenzene	12.62	95	45586	19.91	ug/l	0.00
Spiked Amount			Recovery	=	39.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	22606	18.026	ug/l	98
3) Chloromethane	2.21	50	26793	15.835	ug/l	97
4) Vinyl Chloride	2.35	62	31885	17.875	ug/l	99
5) Bromomethane	2.74	94	22071	21.160	ug/l	96
6) Chloroethane	2.90	64	21776	19.505	ug/l	98
7) Trichlorofluoromethane	3.24	101	49777	20.057	ug/l	96
8) Diethyl Ether	3.68	74	15860	18.299	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	30768	19.602	ug/l	99
10) Methyl Iodide	4.27	142	33031	18.577	ug/l	98
11) Tert butyl alcohol	5.17	59	12795	89.813	ug/l	94
12) 1,1-Dichloroethene	4.03	96	29519	19.836	ug/l	98
13) Acrolein	3.90	56	10732	100.633	ug/l	94
14) Allyl chloride	4.67	41	42524	18.662	ug/l	98
15) Acrylonitrile	5.37	53	34067	93.034	ug/l	97
16) Acetone	4.12	43	28926	99.509	ug/l	98
17) Carbon Disulfide	4.37	76	84720	19.630	ug/l	99
18) Methyl Acetate	4.67	43	14888	17.169	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	76839	18.442	ug/l	98
20) Methylene Chloride	4.92	84	40885	23.275	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	34050	19.680	ug/l	99
22) Diisopropyl ether	6.31	45	89820	18.629	ug/l	100
23) Vinyl Acetate	6.26	43	261208	87.625	ug/l	98
24) 1,1-Dichloroethane	6.21	63	53275	18.915	ug/l	100
25) 2-Butanone	7.17	43	42750	90.249	ug/l	98
26) 2,2-Dichloropropane	7.16	77	51065	19.906	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	37716	19.564	ug/l	100
28) Bromochloromethane	7.51	49	20506	19.792	ug/l	100
29) Tetrahydrofuran	7.53	42	28231	88.079	ug/l	99
30) Chloroform	7.67	83	58162	19.616	ug/l	96
31) Cyclohexane	7.95	56	54412	19.128	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	55041	19.647	ug/l	99
36) 1,1-Dichloropropene	8.09	75	46466	20.297	ug/l	99
37) Ethyl Acetate	7.26	43	19037	17.790	ug/l	98
38) Carbon Tetrachloride	8.07	117	49420	20.001	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	61643	20.101	ug/l	98
40) Benzene	8.32	78	128519	19.730	ug/l	100
41) Methacrylonitrile	7.48	41	12640	20.273	ug/l	90
42) 1,2-Dichloroethane	8.40	62	36661	19.095	ug/l	99
43) Isopropyl Acetate	8.43	43	39052	18.026	ug/l	99
44) Trichloroethene	9.09	130	37579	20.062	ug/l	98
45) 1,2-Dichloropropane	9.37	63	30556	19.327	ug/l	100
46) Dibromomethane	9.46	93	17727	19.055	ug/l	98
47) Bromodichloromethane	9.65	83	44844	19.309	ug/l	100
48) Methyl methacrylate	9.44	41	16947	16.923	ug/l	98
49) 1,4-Dioxane	9.45	88	5740	416.834	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	97181	87.572	ug/l	100
52) Toluene	10.39	92	85989	19.878	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	44360	18.592	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	51708	19.059	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	25726	19.171	ug/l	97
56) Ethyl methacrylate	10.65	69	35093	18.727	ug/l	99
57) 1,3-Dichloropropane	10.93	76	43055	19.115	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	81726	93.650	ug/l	100
59) 2-Hexanone	10.97	43	68859	88.833	ug/l	100
60) Dibromochloromethane	11.13	129	32014	19.176	ug/l	99
61) 1,2-Dibromoethane	11.23	107	25726	18.878	ug/l	100
64) Tetrachloroethene	10.86	164	30336	19.926	ug/l	98
65) Chlorobenzene	11.66	112	94356	20.158	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	33530	19.430	ug/l	97
67) Ethyl Benzene	11.73	91	168030	20.323	ug/l	99
68) m/p-Xylenes	11.84	106	131654	40.660	ug/l	99
69) o-Xylene	12.17	106	62111	20.163	ug/l	100
70) Styrene	12.18	104	105814	19.982	ug/l	99
71) Bromoform	12.35	173	18235	19.015	ug/l #	98
73) Isopropylbenzene	12.46	105	169240	19.738	ug/l	99
74) N-amyl acetate	12.27	43	36966	17.218	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	29698	17.864	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	21121m	18.223	ug/l	
77) Bromobenzene	12.75	156	37143	19.226	ug/l	96
78) n-propylbenzene	12.80	91	197140	19.872	ug/l	99
79) 2-Chlorotoluene	12.90	91	113455	19.600	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	144227	19.809	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	9977	16.988	ug/l	96
82) 4-Chlorotoluene	12.99	91	119347	19.779	ug/l	98
83) tert-Butylbenzene	13.21	119	122928	19.910	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	144453	20.127	ug/l	99
85) sec-Butylbenzene	13.38	105	175040	20.156	ug/l	100
86) p-Isopropyltoluene	13.50	119	158071	20.100	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	73905	19.847	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	74546	20.059	ug/l	98
89) n-Butylbenzene	13.83	91	150642	20.104	ug/l	100
90) Hexachloroethane	14.10	117	30451	19.332	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	68511	20.315	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5422	17.488	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	45480	20.417	ug/l	100
94) Hexachlorobutadiene	15.24	225	23954	20.044	ug/l	98
95) Naphthalene	15.37	128	93654	18.870	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	38915	19.876	ug/l	99

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

