

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
 Data File : VW010332.D
 Acq On : 09 May 2019 12:06
 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
 5/10/2019 10:07:20 AM

Quant Time: May 09 13:19:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:10:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1344646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2158381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1947043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	980308	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	292189	17.61	ug/l	0.00
Spiked Amount			Recovery	=	35.22%	
35) Dibromofluoromethane	7.88	113	257952	18.80	ug/l	0.00
Spiked Amount			Recovery	=	37.60%	
50) Toluene-d8	10.32	98	1051601	20.45	ug/l	0.00
Spiked Amount			Recovery	=	40.90%	
62) 4-Bromofluorobenzene	12.62	95	359846	19.25	ug/l	0.00
Spiked Amount			Recovery	=	38.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	191333	18.662	ug/l	97
3) Chloromethane	2.21	50	253507	24.725	ug/l	98
4) Vinyl Chloride	2.37	62	330314	27.716	ug/l	98
5) Bromomethane	2.77	94	186766	23.319	ug/l	99
6) Chloroethane	2.92	64	190409	24.452	ug/l	98
7) Trichlorofluoromethane	3.25	101	161174	19.560	ug/l	94
8) Diethyl Ether	3.67	74	151612	22.119	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	278028	20.052	ug/l	97
10) Methyl Iodide	4.26	142	388453	20.273	ug/l	95
11) Tert butyl alcohol	5.18	59	102847	108.811	ug/l	99
12) 1,1-Dichloroethene	4.04	96	285566	21.483	ug/l	91
13) Acrolein	3.89	56	137196	137.973	ug/l	97
14) Allyl chloride	4.66	41	419167	17.736	ug/l	91
15) Acrylonitrile	5.37	53	420499	119.208	ug/l	99
16) Acetone	4.12	43	358760	93.183	ug/l	95
17) Carbon Disulfide	4.37	76	853047	23.394	ug/l	99
18) Methyl Acetate	4.67	43	190027	21.326	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	357897	20.729	ug/l	98
20) Methylene Chloride	4.91	84	303813	17.152	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	314921	21.878	ug/l	94
22) Diisopropyl ether	6.31	45	892074	18.609	ug/l	93
23) Vinyl Acetate	6.25	43	3023231	100.181	ug/l	96
24) 1,1-Dichloroethane	6.21	63	572106	19.964	ug/l	100
25) 2-Butanone	7.17	43	580612	114.802	ug/l	97
26) 2,2-Dichloropropane	7.16	77	286883	18.094	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	322283	20.358	ug/l	96
28) Bromochloromethane	7.51	49	239425	20.444	ug/l	100
29) Tetrahydrofuran	7.53	42	384335	119.932	ug/l	96
30) Chloroform	7.67	83	543967	18.944	ug/l	99
31) Cyclohexane	7.95	56	569516	21.223	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	407713	18.086	ug/l	99
36) 1,1-Dichloropropene	8.08	75	466497	21.159	ug/l	99
37) Ethyl Acetate	7.26	43	262920	23.468	ug/l	99
38) Carbon Tetrachloride	8.06	117	389766	18.114	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	546808	22.040	ug/l	98
40) Benzene	8.32	78	1281439	21.257	ug/l	99
41) Methacrylonitrile	7.48	41	139893	21.909	ug/l	95
42) 1,2-Dichloroethane	8.40	62	371024	17.909	ug/l	96
43) Isopropyl Acetate	8.43	43	416895	19.858	ug/l	99
44) Trichloroethene	9.09	130	314189	20.520	ug/l	95
45) 1,2-Dichloropropane	9.37	63	317977	20.067	ug/l	97
46) Dibromomethane	9.46	93	164814	20.068	ug/l	96
47) Bromodichloromethane	9.64	83	396489	18.702	ug/l	99
48) Methyl methacrylate	9.44	41	194650	19.047	ug/l	84
49) 1,4-Dioxane	9.45	88	60248	480.106	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	1239786	112.753	ug/l	94
52) Toluene	10.39	92	794686	21.162	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	400413	19.050	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	474856	19.785	ug/l	89
55) 1,1,2-Trichloroethane	10.79	97	234733	20.478	ug/l	98
56) Ethyl methacrylate	10.65	69	308816	21.671	ug/l #	87
57) 1,3-Dichloropropane	10.93	76	425486	20.710	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	801606	122.149	ug/l	99
59) 2-Hexanone	10.97	43	870928	113.785	ug/l	92
60) Dibromochloromethane	11.13	129	251643	18.994	ug/l	98
61) 1,2-Dibromoethane	11.24	107	227014	20.819	ug/l	97
64) Tetrachloroethene	10.86	164	263098	20.815	ug/l	97
65) Chlorobenzene	11.66	112	803035	20.151	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	271628	19.060	ug/l	98
67) Ethyl Benzene	11.73	91	1476586	20.768	ug/l	99
68) m/p-Xylenes	11.84	106	1111620	41.825	ug/l	100
69) o-Xylene	12.17	106	492247	20.341	ug/l	98
70) Styrene	12.18	104	883219	21.167	ug/l	98
71) Bromoform	12.35	173	154102	20.450	ug/l	97
73) Isopropylbenzene	12.47	105	1404277	20.582	ug/l	100
74) N-amyl acetate	12.27	43	365852	19.363	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.72	83	310692	23.049	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	230454m	23.488	ug/l	
77) Bromobenzene	12.75	156	317219	20.216	ug/l	96
78) n-propylbenzene	12.80	91	1765591	20.880	ug/l	99
79) 2-Chlorotoluene	12.90	91	987606	20.308	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1219366	21.079	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	96617	23.220	ug/l	96
82) 4-Chlorotoluene	12.99	91	1052771	20.568	ug/l	99
83) tert-Butylbenzene	13.21	119	974779	20.348	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1215071	20.717	ug/l	100
85) sec-Butylbenzene	13.39	105	1465474	20.471	ug/l	99
86) p-Isopropyltoluene	13.50	119	1315144	20.843	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	635343	20.030	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	631966	19.961	ug/l	98
89) n-Butylbenzene	13.83	91	1305892	20.889	ug/l	99
90) Hexachloroethane	14.10	117	232236	19.216	ug/l	92
91) 1,2-Dichlorobenzene	13.87	146	573684	20.171	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	57409	23.799	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	387785	20.668	ug/l	99
94) Hexachlorobutadiene	15.24	225	241928	21.233	ug/l	99
95) Naphthalene	15.37	128	781782	23.208	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	361255	22.192	ug/l	99

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

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