

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072219\
 Data File : VX011045.D
 Acq On : 22 Jul 2019 20:54
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 11:12:27 AM

Quant Time: Jul 23 07:12:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	226087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	343987	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	316508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168864	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	116494	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
35) Dibromofluoromethane	5.50	113	101468	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	
50) Toluene-d8	8.71	98	377722	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	
62) 4-Bromofluorobenzene	11.13	95	146332	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	114683	47.597	ug/l	99
3) Chloromethane	1.32	50	95483	45.925	ug/l	99
4) Vinyl Chloride	1.41	62	102966	48.554	ug/l	99
5) Bromomethane	1.64	94	53999	45.186	ug/l	98
6) Chloroethane	1.71	64	62779	46.584	ug/l	97
7) Trichlorofluoromethane	1.92	101	177030	49.315	ug/l	100
8) Diethyl Ether	2.19	74	58656	47.424	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	98783	48.195	ug/l	99
10) Methyl Iodide	2.51	142	130662	48.578	ug/l	99
11) Tert butyl alcohol	3.05	59	136124	243.012	ug/l	99
12) 1,1-Dichloroethene	2.37	96	97689	48.509	ug/l	97
13) Acrolein	2.29	56	71571	221.146	ug/l	97
14) Allyl chloride	2.73	41	144644	49.448	ug/l	99
15) Acrylonitrile	3.14	53	283369	250.349	ug/l	100
16) Acetone	2.45	43	237610	218.730	ug/l	98
17) Carbon Disulfide	2.57	76	230701	44.660	ug/l	100
18) Methyl Acetate	2.78	43	137442	55.564	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	334119	51.539	ug/l	99
20) Methylene Chloride	2.85	84	109719	47.660	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	102332	47.891	ug/l	96
22) Diisopropyl ether	3.85	45	306255	49.642	ug/l	98
23) Vinyl Acetate	3.82	43	1324071	253.303	ug/l	100
24) 1,1-Dichloroethane	3.70	63	176232	49.188	ug/l	100
25) 2-Butanone	4.67	43	389863	250.010	ug/l	100
26) 2,2-Dichloropropane	4.58	77	128329	43.622	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	119398	48.282	ug/l	99
28) Bromochloromethane	5.01	49	78801	46.673	ug/l	99
29) Tetrahydrofuran	5.13	42	250395	253.493	ug/l	100
30) Chloroform	5.21	83	193866	50.060	ug/l	98
31) Cyclohexane	5.58	56	157741	48.302	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	172814	51.579	ug/l	100
36) 1,1-Dichloropropene	5.80	75	136309	48.242	ug/l	99
37) Ethyl Acetate	4.83	43	146017	50.468	ug/l	99
38) Carbon Tetrachloride	5.79	117	149233	50.685	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	170204	46.451	ug/l	99
40) Benzene	6.14	78	416640	48.137	ug/l	100
41) Methacrylonitrile	5.04	41	79052	48.131	ug/l	99
42) 1,2-Dichloroethane	6.19	62	152258	50.594	ug/l	98
43) Isopropyl Acetate	6.45	43	241283	50.717	ug/l	99
44) Trichloroethene	7.21	130	122292	47.733	ug/l	91
45) 1,2-Dichloropropane	7.51	63	106683	48.428	ug/l	100
46) Dibromomethane	7.66	93	78553	49.903	ug/l	99
47) Bromodichloromethane	7.90	83	145930	52.079	ug/l	99
48) Methyl methacrylate	7.77	41	117234	50.585	ug/l	98
49) 1,4-Dioxane	7.74	88	60251	929.398	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	798323	258.865	ug/l	99
52) Toluene	8.78	92	276091	48.557	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	157580	52.301	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	169120	50.444	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	115668	49.407	ug/l	98
56) Ethyl methacrylate	9.18	69	182119	53.181	ug/l	100
57) 1,3-Dichloropropane	9.37	76	183499	49.409	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	410182	250.917	ug/l	100
59) 2-Hexanone	9.49	43	624610	261.130	ug/l	100
60) Dibromochloromethane	9.58	129	127168	47.340	ug/l	99
61) 1,2-Dibromoethane	9.67	107	125242	50.408	ug/l	100
64) Tetrachloroethene	9.34	164	116077	46.619	ug/l	94
65) Chlorobenzene	10.13	112	314397	48.363	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	116306	50.906	ug/l	97
67) Ethyl Benzene	10.25	91	547349	49.466	ug/l	99
68) m/p-Xylenes	10.36	106	418181	98.523	ug/l	100
69) o-Xylene	10.69	106	203541	49.136	ug/l	98
70) Styrene	10.71	104	353555	51.200	ug/l	99
71) Bromoform	10.85	173	99362	47.878	ug/l #	100
73) Isopropylbenzene	11.02	105	557703	48.878	ug/l	99
74) N-amyl acetate	10.90	43	220530	50.584	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	185399	49.651	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	153853m	50.489	ug/l	
77) Bromobenzene	11.26	156	152040	48.308	ug/l	99
78) n-propylbenzene	11.36	91	625950	49.650	ug/l	99
79) 2-Chlorotoluene	11.42	91	373317	49.293	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	470192	49.316	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	53140	44.645	ug/l	97
82) 4-Chlorotoluene	11.51	91	436321	49.499	ug/l	99
83) tert-Butylbenzene	11.77	119	466517	49.815	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	477917	49.733	ug/l	99
85) sec-Butylbenzene	11.94	105	548043	49.943	ug/l	100
86) p-Isopropyltoluene	12.06	119	511719	50.441	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	269757	49.389	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	267392	47.734	ug/l	98
89) n-Butylbenzene	12.38	91	436542	50.297	ug/l	100
90) Hexachloroethane	12.60	117	81927	51.201	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	266020	49.143	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	40557	51.961	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	180995	49.337	ug/l	98
94) Hexachlorobutadiene	13.78	225	87494	48.128	ug/l	99
95) Naphthalene	13.83	128	571677	52.772	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	183757	50.342	ug/l	99

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

