

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010523.D
 Acq On : 28 Jun 2019 06:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/28/2019 10:36:28 AM

Quant Time: Jun 28 08:29:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	237712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	361768	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	331207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	171411	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	111103	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
35) Dibromofluoromethane	5.50	113	110668	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	8.71	98	411292	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	11.13	95	150123	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	73952	44.748	ug/l	99
3) Chloromethane	1.32	50	87261	45.344	ug/l	99
4) Vinyl Chloride	1.41	62	94295	44.736	ug/l	100
5) Bromomethane	1.64	94	48432	47.164	ug/l	98
6) Chloroethane	1.71	64	60879	48.955	ug/l	100
7) Trichlorofluoromethane	1.92	101	166354	49.786	ug/l	98
8) Diethyl Ether	2.19	74	61288	51.147	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	95111	46.971	ug/l	99
10) Methyl Iodide	2.51	142	143355	49.607	ug/l	98
11) Tert butyl alcohol	3.06	59	141715	242.995	ug/l	99
12) 1,1-Dichloroethene	2.37	96	96982	47.069	ug/l	99
13) Acrolein	2.29	56	64866	167.664	ug/l	100
14) Allyl chloride	2.73	41	134845	46.097	ug/l	98
15) Acrylonitrile	3.14	53	300320	260.091	ug/l	100
16) Acetone	2.45	43	241038	215.791	ug/l	99
17) Carbon Disulfide	2.57	76	221122	40.001	ug/l	99
18) Methyl Acetate	2.78	43	119456	53.658	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	326136	50.315	ug/l	99
20) Methylene Chloride	2.85	84	112785	49.064	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	105148	47.449	ug/l	97
22) Diisopropyl ether	3.85	45	306772	50.159	ug/l	97
23) Vinyl Acetate	3.82	43	1302844	246.585	ug/l	100
24) 1,1-Dichloroethane	3.70	63	173717	49.138	ug/l	99
25) 2-Butanone	4.67	43	404427	246.828	ug/l	99
26) 2,2-Dichloropropane	4.58	77	85105	27.712	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	125976	49.194	ug/l	96
28) Bromochloromethane	5.02	49	79857	47.245	ug/l	99
29) Tetrahydrofuran	5.13	42	261107	257.274	ug/l	99
30) Chloroform	5.21	83	190043	49.962	ug/l	100
31) Cyclohexane	5.58	56	148854	46.237	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	165239	49.198	ug/l	100
36) 1,1-Dichloropropene	5.80	75	131581	45.770	ug/l	99
37) Ethyl Acetate	4.84	43	151753	51.312	ug/l	99
38) Carbon Tetrachloride	5.78	117	147198	47.284	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	166790	44.138	ug/l	98
40) Benzene	6.14	78	431603	48.189	ug/l	100
41) Methacrylonitrile	5.04	41	82614	50.911	ug/l	99
42) 1,2-Dichloroethane	6.19	62	139542	51.183	ug/l	99
43) Isopropyl Acetate	6.45	43	249395	50.969	ug/l	98
44) Trichloroethene	7.21	130	129626	48.368	ug/l	96
45) 1,2-Dichloropropane	7.51	63	107788	47.657	ug/l	100
46) Dibromomethane	7.66	93	78799	48.559	ug/l	99
47) Bromodichloromethane	7.90	83	146015	49.099	ug/l	100
48) Methyl methacrylate	7.77	41	116807	51.357	ug/l	99
49) 1,4-Dioxane	7.74	88	66753	1018.831	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	814538	260.282	ug/l	99
52) Toluene	8.79	92	282871	47.960	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	147795	44.328	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	164779	45.478	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	122527	50.371	ug/l	97
56) Ethyl methacrylate	9.18	69	185603	50.368	ug/l	99
57) 1,3-Dichloropropane	9.37	76	189455	50.174	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	456764	260.998	ug/l	100
59) 2-Hexanone	9.49	43	622909	252.908	ug/l	99
60) Dibromochloromethane	9.58	129	133092	48.866	ug/l	100
61) 1,2-Dibromoethane	9.67	107	132114	50.318	ug/l	100
64) Tetrachloroethene	9.34	164	140074	52.288	ug/l	97
65) Chlorobenzene	10.13	112	326496	48.556	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	121744	49.706	ug/l	99
67) Ethyl Benzene	10.25	91	547190	48.203	ug/l	99
68) m/p-Xylenes	10.36	106	428677	97.459	ug/l	99
69) o-Xylene	10.69	106	211275	48.843	ug/l	100
70) Styrene	10.71	104	360280	49.665	ug/l	100
71) Bromoform	10.85	173	104971	49.283	ug/l #	100
73) Isopropylbenzene	11.02	105	557129	47.948	ug/l	99
74) N-amyl acetate	10.90	43	224458	51.114	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	187894	48.828	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	154773m	49.550	ug/l	
77) Bromobenzene	11.26	156	157500	48.544	ug/l	98
78) n-propylbenzene	11.36	91	615458	48.194	ug/l	99
79) 2-Chlorotoluene	11.42	91	364090	47.879	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	460855	48.111	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	50149	37.455	ug/l	93
82) 4-Chlorotoluene	11.51	91	415307	47.995	ug/l	99
83) tert-Butylbenzene	11.77	119	452819	47.099	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	466998	48.525	ug/l	100
85) sec-Butylbenzene	11.94	105	542552	48.063	ug/l	100
86) p-Isopropyltoluene	12.06	119	499093	47.799	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	270607	47.781	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	270358	46.890	ug/l	100
89) n-Butylbenzene	12.38	91	410727	46.292	ug/l	99
90) Hexachloroethane	12.59	117	84493	46.799	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	269038	47.797	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39140	47.176	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	189586	48.568	ug/l	99
94) Hexachlorobutadiene	13.78	225	90648	47.515	ug/l	98
95) Naphthalene	13.83	128	604085	50.359	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	191435	49.325	ug/l	99

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

