

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\
 Data File : VX013468.D
 Acq On : 20 Nov 2019 09:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/21/2019 9:50:50 AM

Quant Time: Nov 21 00:57:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	655587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	987554	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	892835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	454876	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	365764	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
35) Dibromofluoromethane	5.48	113	303431	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	8.71	98	1160644	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.13	95	416309	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	350444	46.394	ug/l	100
3) Chloromethane	1.31	50	377712	46.110	ug/l	99
4) Vinyl Chloride	1.40	62	452765	48.550	ug/l	99
5) Bromomethane	1.62	94	291732	44.890	ug/l	98
6) Chloroethane	1.71	64	250716	46.958	ug/l	99
7) Trichlorofluoromethane	1.92	101	506837	46.002	ug/l	98
8) Diethyl Ether	2.17	74	236257	48.491	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	317866	51.762	ug/l	99
10) Methyl Iodide	2.50	142	363669	47.833	ug/l	98
11) Tert butyl alcohol	3.03	59	412383	201.448	ug/l	100
12) 1,1-Dichloroethene	2.36	96	303260	50.429	ug/l	99
13) Acrolein	2.28	56	281658	253.868	ug/l	98
14) Allyl chloride	2.72	41	576488	52.761	ug/l	97
15) Acrylonitrile	3.12	53	994842	260.166	ug/l	98
16) Acetone	2.43	43	978434	252.567	ug/l	99
17) Carbon Disulfide	2.56	76	753662	46.824	ug/l	98
18) Methyl Acetate	2.76	43	571054	53.394	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1082724	53.982	ug/l	99
20) Methylene Chloride	2.84	84	356090	49.750	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	331188	50.581	ug/l	96
22) Diisopropyl ether	3.84	45	1165782	55.264	ug/l	99
23) Vinyl Acetate	3.80	43	4826355	267.377	ug/l	99
24) 1,1-Dichloroethane	3.68	63	618968	52.452	ug/l	99
25) 2-Butanone	4.65	43	1471095	258.852	ug/l	98
26) 2,2-Dichloropropane	4.56	77	522004	55.605	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	393355	53.629	ug/l	100
28) Bromochloromethane	5.00	49	177865	53.085	ug/l	98
29) Tetrahydrofuran	5.11	42	894451	255.397	ug/l	99
30) Chloroform	5.19	83	615799	52.847	ug/l	100
31) Cyclohexane	5.56	56	534705	50.356	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	517821	51.638	ug/l	99
36) 1,1-Dichloropropene	5.78	75	458267	54.092	ug/l	99
37) Ethyl Acetate	4.81	43	530694	50.694	ug/l	99
38) Carbon Tetrachloride	5.77	117	446035	53.839	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	557966	52.856	ug/l	98
40) Benzene	6.13	78	1403114	53.168	ug/l	99
41) Methacrylonitrile	5.03	41	303401	51.708	ug/l	98
42) 1,2-Dichloroethane	6.18	62	493505	51.844	ug/l	100
43) Isopropyl Acetate	6.43	43	880792	54.032	ug/l	100
44) Trichloroethene	7.20	130	376533	51.834	ug/l	96
45) 1,2-Dichloropropane	7.50	63	368368	54.784	ug/l	98
46) Dibromomethane	7.65	93	238364	51.920	ug/l	98
47) Bromodichloromethane	7.89	83	489774	56.574	ug/l	97
48) Methyl methacrylate	7.76	41	441096	54.207	ug/l	98
49) 1,4-Dioxane	7.73	88	156886	841.877	ug/l	94
51) 4-Methyl-2-Pentanone	8.63	43	2776639	259.617	ug/l	100
52) Toluene	8.78	92	877868	53.671	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	543811	57.445	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	602316	56.879	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	367901	54.266	ug/l	98
56) Ethyl methacrylate	9.17	69	594622	51.332	ug/l	97
57) 1,3-Dichloropropane	9.36	76	620286	53.898	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	1320782	284.927	ug/l	100
59) 2-Hexanone	9.48	43	2157532	261.046	ug/l	99
60) Dibromochloromethane	9.57	129	395218	57.000	ug/l	99
61) 1,2-Dibromoethane	9.67	107	380821	52.899	ug/l	99
64) Tetrachloroethene	9.33	164	329405	51.538	ug/l	98
65) Chlorobenzene	10.13	112	958364	53.019	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	365932	55.135	ug/l	100
67) Ethyl Benzene	10.25	91	1681807	53.909	ug/l	98
68) m/p-Xylenes	10.36	106	1288106	109.176	ug/l	100
69) o-Xylene	10.69	106	623082	53.942	ug/l	100
70) Styrene	10.71	104	1087251	56.308	ug/l	99
71) Bromoform	10.85	173	310498	50.427	ug/l	99
73) Isopropylbenzene	11.01	105	1695266	56.211	ug/l	100
74) N-amyl acetate	10.89	43	788824	56.403	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	589647	53.592	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	479640m	51.914	ug/l	
77) Bromobenzene	11.25	156	435376	54.151	ug/l	99
78) n-propylbenzene	11.35	91	1937795	57.681	ug/l	100
79) 2-Chlorotoluene	11.42	91	1129421	55.798	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1418979	56.486	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	204330	56.925	ug/l	96
82) 4-Chlorotoluene	11.51	91	1312608	55.398	ug/l	100
83) tert-Butylbenzene	11.76	119	1432014	56.629	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1429189	56.714	ug/l	100
85) sec-Butylbenzene	11.94	105	1678498	57.754	ug/l	100
86) p-Isopropyltoluene	12.06	119	1560259	58.301	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	788143	54.994	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	784773	53.746	ug/l	100
89) n-Butylbenzene	12.39	91	1361222	58.292	ug/l	99
90) Hexachloroethane	12.59	117	278087	58.321	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	782695	54.636	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	126841	47.319	ug/l	97

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93) 1,2,4-Trichlorobenzene	13.64	180	563478	56.389	ug/l	99
94) Hexachlorobutadiene	13.78	225	272132	55.664	ug/l	98
95) Naphthalene	13.83	128	1681762	53.641	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	549749	54.857	ug/l	99

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

