

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\
 Data File : VX008952.D
 Acq On : 15 Apr 2019 10:46
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 10:52:50 AM

Quant Time: Apr 16 01:59:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 01:38:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	238805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	384429	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	342525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160787	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	73127	21.38	ug/l	0.00
Spiked Amount						
			Recovery	=	42.76%	
35) Dibromofluoromethane	5.50	113	53660	21.98	ug/l	0.00
Spiked Amount						
			Recovery	=	43.96%	
50) Toluene-d8	8.71	98	220858	22.71	ug/l	0.00
Spiked Amount						
			Recovery	=	45.42%	
62) 4-Bromofluorobenzene	11.13	95	77313	22.44	ug/l	0.00
Spiked Amount						
			Recovery	=	44.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	58019	21.030	ug/l	100
3) Chloromethane	1.33	50	67551	18.016	ug/l	99
4) Vinyl Chloride	1.41	62	65699	18.056	ug/l	100
5) Bromomethane	1.65	94	32199	16.028	ug/l	99
6) Chloroethane	1.73	64	38928	16.095	ug/l	99
7) Trichlorofluoromethane	1.93	101	76070	18.818	ug/l	98
8) Diethyl Ether	2.19	74	33988	17.865	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48138	18.593	ug/l	98
10) Methyl Iodide	2.51	142	45133	20.514	ug/l	100
11) Tert butyl alcohol	3.04	59	76305	95.945	ug/l	100
12) 1,1-Dichloroethene	2.38	96	49382	18.220	ug/l	96
13) Acrolein	2.29	56	61972	135.984	ug/l	98
14) Allyl chloride	2.73	41	111380	18.016	ug/l	100
15) Acrylonitrile	3.14	53	185826	88.312	ug/l	99
16) Acetone	2.45	43	186865	96.340	ug/l	98
17) Carbon Disulfide	2.57	76	146607	16.851	ug/l	99
18) Methyl Acetate	2.78	43	80309	16.920	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	178772	18.528	ug/l	99
20) Methylene Chloride	2.86	84	56530	17.260	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	52220	17.792	ug/l	97
22) Diisopropyl ether	3.86	45	215307	18.109	ug/l	96
23) Vinyl Acetate	3.82	43	962014	92.844	ug/l	100
24) 1,1-Dichloroethane	3.70	63	105762	17.978	ug/l	99
25) 2-Butanone	4.68	43	285970	92.826	ug/l	99
26) 2,2-Dichloropropane	4.59	77	78997	18.916	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	59587	17.729	ug/l	100
28) Bromochloromethane	5.02	49	53655	19.372	ug/l	99
29) Tetrahydrofuran	5.13	42	183804	89.569	ug/l	99
30) Chloroform	5.21	83	95502	18.140	ug/l	98
31) Cyclohexane	5.58	56	105806	17.937	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	78677	18.449	ug/l	100
36) 1,1-Dichloropropene	5.81	75	75465	18.256	ug/l	100
37) Ethyl Acetate	4.84	43	103497	18.831	ug/l	99
38) Carbon Tetrachloride	5.79	117	65313	19.051	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	94268	18.438	ug/l	98
40) Benzene	6.14	78	229855	18.667	ug/l	100
41) Methacrylonitrile	5.04	41	59173	18.671	ug/l	99
42) 1,2-Dichloroethane	6.20	62	80287	18.197	ug/l	100
43) Isopropyl Acetate	6.45	43	161515	18.721	ug/l	100
44) Trichloroethene	7.21	130	54992	19.077	ug/l	98
45) 1,2-Dichloropropane	7.51	63	65180	18.612	ug/l	99
46) Dibromomethane	7.66	93	36606	17.960	ug/l	99
47) Bromodichloromethane	7.90	83	71954	18.723	ug/l	99
48) Methyl methacrylate	7.77	41	81553	18.733	ug/l	100
49) 1,4-Dioxane	7.74	88	30618	378.066	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	533704	96.280	ug/l	100
52) Toluene	8.79	92	138660	19.107	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	83853	19.393	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	94503	19.185	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	55575	19.064	ug/l	97
56) Ethyl methacrylate	9.18	69	100052	19.033	ug/l	99
57) 1,3-Dichloropropane	9.37	76	97617	18.690	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	282881	104.377	ug/l	100
59) 2-Hexanone	9.49	43	423911	98.352	ug/l	100
60) Dibromochloromethane	9.58	129	53612	19.478	ug/l	97
61) 1,2-Dibromoethane	9.67	107	56868	18.743	ug/l	98
64) Tetrachloroethene	9.34	164	51682	20.453	ug/l	98
65) Chlorobenzene	10.14	112	140695	18.855	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	49607	18.957	ug/l	100
67) Ethyl Benzene	10.25	91	259880	18.729	ug/l	100
68) m/p-Xylenes	10.36	106	186049	37.238	ug/l	99
69) o-Xylene	10.70	106	90297	18.644	ug/l	99
70) Styrene	10.71	104	158727	19.011	ug/l	99
71) Bromoform	10.85	173	38933	19.382	ug/l #	97
73) Isopropylbenzene	11.02	105	244114	18.754	ug/l	100
74) N-amyl acetate	10.90	43	141861	18.536	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	89839	18.196	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	77048m	17.866	ug/l	
77) Bromobenzene	11.26	156	59710	18.974	ug/l	99
78) n-propylbenzene	11.36	91	281801	18.602	ug/l	100
79) 2-Chlorotoluene	11.42	91	166771	18.201	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	205688	18.855	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	30352	19.241	ug/l	94
82) 4-Chlorotoluene	11.51	91	190344	17.937	ug/l	99
83) tert-Butylbenzene	11.77	119	191077	18.185	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	207267	18.755	ug/l	99
85) sec-Butylbenzene	11.94	105	235112	18.835	ug/l	100
86) p-Isopropyltoluene	12.06	119	217043	19.313	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	105189	18.681	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	105297	18.438	ug/l	99
89) n-Butylbenzene	12.38	91	202670	19.250	ug/l	99
90) Hexachloroethane	12.60	117	34424	18.451	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	103621	18.537	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19973	18.335	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	76232	19.448	ug/l	99
94) Hexachlorobutadiene	13.78	225	38181	20.324	ug/l	99
95) Naphthalene	13.83	128	249463	19.218	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	75307	19.268	ug/l	99

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

