

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032720\
 Data File : VX015366.D
 Acq On : 26 Mar 2020 19:53
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 3/27/2020 5:16:06 PM

Quant Time: Mar 27 09:10:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 08:55:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1147512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1804826	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1624748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	823599	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	80003	5.35	ug/l	0.00
Spiked Amount			Recovery	=	10.70%	
35) Dibromofluoromethane	5.47	113	56451	4.79	ug/l	0.00
Spiked Amount			Recovery	=	9.58%	
50) Toluene-d8	8.70	98	218382	5.10	ug/l	0.00
Spiked Amount			Recovery	=	10.20%	
62) 4-Bromofluorobenzene	11.12	95	84992	5.14	ug/l	0.00
Spiked Amount			Recovery	=	10.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	48774	4.062	ug/l	94
3) Chloromethane	1.31	50	63897	4.571	ug/l	99
4) Vinyl Chloride	1.39	62	57572	4.238	ug/l	97
5) Bromomethane	1.62	94	31763	6.052	ug/l	97
6) Chloroethane	1.70	64	37069	4.365	ug/l	99
7) Trichlorofluoromethane	1.91	101	81524	4.524	ug/l	99
8) Diethyl Ether	2.17	74	32913	4.243	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	52618	3.890	ug/l	94
10) Methyl Iodide	2.49	142	48468	3.203	ug/l	99
11) Tert butyl alcohol	3.01	59	110711	36.002	ug/l	99
12) 1,1-Dichloroethene	2.36	96	55065	3.880	ug/l	98
13) Acrolein	2.27	56	57954	21.389	ug/l	96
14) Allyl chloride	2.70	41	126482	5.565	ug/l	98
15) Acrylonitrile	3.12	53	179482	23.983	ug/l	100
16) Acetone	2.42	43	168718	26.444	ug/l	98
17) Carbon Disulfide	2.55	76	163152	4.251	ug/l	100
18) Methyl Acetate	2.75	43	87595	5.454	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	205749	4.775	ug/l	100
20) Methylene Chloride	2.84	84	63084	3.753	ug/l	94
21) trans-1,2-Dichloroethene	3.14	96	60219	3.899	ug/l	93
22) Diisopropyl ether	3.83	45	224868	5.026	ug/l	90
23) Vinyl Acetate	3.79	43	1034297	28.203	ug/l	99
24) 1,1-Dichloroethane	3.67	63	116729	4.394	ug/l	98
25) 2-Butanone	4.64	43	270645	27.801	ug/l	100
26) 2,2-Dichloropropane	4.55	77	97487	4.710	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	68727	4.027	ug/l	99
28) Bromochloromethane	4.98	49	56289	5.004	ug/l	96
29) Tetrahydrofuran	5.10	42	176614	27.970	ug/l	99
30) Chloroform	5.18	83	112381	4.198	ug/l	99
31) Cyclohexane	5.56	56	107808	5.227	ug/l	95
32) 1,1,1-Trichloroethane	5.47	97	103471	4.724	ug/l	99
36) 1,1-Dichloropropene	5.78	75	85818	5.117	ug/l	99
37) Ethyl Acetate	4.81	43	104409	6.210	ug/l	97
38) Carbon Tetrachloride	5.76	117	92707	5.748	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	100109	5.140	ug/l	98
40) Benzene	6.12	78	247191	4.807	ug/l	100
41) Methacrylonitrile	5.01	41	58977	6.467	ug/l	98
42) 1,2-Dichloroethane	6.16	62	97168	5.880	ug/l	99
43) Isopropyl Acetate	6.42	43	180234	6.920	ug/l	99
44) Trichloroethene	7.19	130	65931	4.679	ug/l	99
45) 1,2-Dichloropropane	7.50	63	65772	5.296	ug/l	98
46) Dibromomethane	7.64	93	43462	5.004	ug/l	98
47) Bromodichloromethane	7.88	83	93313	5.624	ug/l	100
48) Methyl methacrylate	7.75	41	91098	7.282	ug/l	98
49) 1,4-Dioxane	7.72	88	33050	103.819	ug/l #	83
51) 4-Methyl-2-Pentanone	8.62	43	531882	33.761	ug/l	99
52) Toluene	8.77	92	149830	4.753	ug/l	96
53) t-1,3-Dichloropropene	9.03	75	104425	5.794	ug/l	96
54) cis-1,3-Dichloropropene	8.42	75	112410	5.616	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	61192	4.536	ug/l	97
56) Ethyl methacrylate	9.16	69	101597	5.539	ug/l	95
57) 1,3-Dichloropropane	9.36	76	108910	4.864	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	276751	26.998	ug/l	98
59) 2-Hexanone	9.48	43	392600	33.388	ug/l	100
60) Dibromochloromethane	9.57	129	74145	5.469	ug/l	100
61) 1,2-Dibromoethane	9.65	107	68174	4.938	ug/l	97
64) Tetrachloroethene	9.32	164	63508	5.433	ug/l	95
65) Chlorobenzene	10.12	112	160435	4.741	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	66383	5.300	ug/l	98
67) Ethyl Benzene	10.24	91	299904	5.211	ug/l	100
68) m/p-Xylenes	10.34	106	219634	10.076	ug/l	96
69) o-Xylene	10.68	106	109124	5.150	ug/l	100
70) Styrene	10.70	104	186270	5.261	ug/l	96
71) Bromoform	10.84	173	53711	6.202	ug/l #	91
73) Isopropylbenzene	11.01	105	290598	4.841	ug/l	99
74) N-amyl acetate	10.89	43	156725	6.884	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	97593	5.084	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	88121m	5.084	ug/l	
77) Bromobenzene	11.24	156	75839	5.269	ug/l	98
78) n-propylbenzene	11.34	91	331273	4.913	ug/l	99
79) 2-Chlorotoluene	11.40	91	197653	4.815	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	247370	5.101	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.06	75	35042	5.401	ug/l	97
82) 4-Chlorotoluene	11.49	91	231551	4.968	ug/l	99
83) tert-Butylbenzene	11.76	119	237358	4.986	ug/l	96
84) 1,2,4-Trimethylbenzene	11.79	105	248647	4.961	ug/l	99
85) sec-Butylbenzene	11.93	105	278462	4.938	ug/l	99
86) p-Isopropyltoluene	12.05	119	257271	5.080	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	131600	4.878	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	131319	4.644	ug/l	92
89) n-Butylbenzene	12.37	91	228981	4.806	ug/l	98
90) Hexachloroethane	12.58	117	46767	4.702	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	129065	4.774	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	25523	5.928	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	100004	5.918	ug/l	98
94) Hexachlorobutadiene	13.77	225	47183	6.647	ug/l	98
95) Naphthalene	13.82	128	318723	5.803	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	97415	5.868	ug/l	99

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

