

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111920\
 Data File : VX019452.D
 Acq On : 18 Nov 2020 13:52
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 11:57:59 AM

Quant Time: Nov 18 16:49:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X111920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 16:21:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	216826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	375783	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	344588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	154424	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	19471	6.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.30%	
35) Dibromofluoromethane	5.46	113	12877	5.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.74%	
50) Toluene-d8	8.69	98	50800	5.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.18%	
62) 4-Bromofluorobenzene	11.12	95	17181	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	11608	5.977	ug/l	100
3) Chloromethane	1.31	50	15394	6.975	ug/l	98
4) Vinyl Chloride	1.39	62	15451	6.242	ug/l	97
5) Bromomethane	1.62	94	7603	4.822	ug/l	89
6) Chloroethane	1.69	64	6019	4.234	ug/l	96
7) Trichlorofluoromethane	1.90	101	22106	5.868	ug/l	96
8) Diethyl Ether	2.17	74	8643	5.945	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.36	101	12153	5.821	ug/l	97
10) Methyl Iodide	2.48	142	12887	5.781	ug/l	99
11) Tert butyl alcohol	3.05	59	15085	26.274	ug/l	98
12) 1,1-Dichloroethene	2.35	96	11790	5.507	ug/l	96
13) Acrolein	2.27	56	12090	38.658	ug/l	87
14) Allyl chloride	2.70	41	20611	6.154	ug/l	99
15) Acrylonitrile	3.12	53	37214	30.512	ug/l	99
16) Acetone	2.42	43	33691	32.822	ug/l	98
17) Carbon Disulfide	2.54	76	30854	4.742	ug/l	99
18) Methyl Acetate	2.75	43	17352	6.941	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	42390	5.651	ug/l	97
20) Methylene Chloride	2.83	84	16245	6.481	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	13470	5.461	ug/l	94
22) Diisopropyl ether	3.82	45	41618	6.194	ug/l	95
23) Vinyl Acetate	3.78	43	171307	28.769	ug/l	99
24) 1,1-Dichloroethane	3.67	63	25773	6.252	ug/l	98
25) 2-Butanone	4.64	43	49166	30.489	ug/l	97
26) 2,2-Dichloropropane	4.54	77	21355	5.587	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	15029	5.454	ug/l	97
28) Bromochloromethane	4.98	49	12220	6.426	ug/l	100
29) Tetrahydrofuran	5.09	42	31255	30.816	ug/l	97
30) Chloroform	5.17	83	25639	5.899	ug/l	99
31) Cyclohexane	5.54	56	20854	5.647	ug/l	95
32) 1,1,1-Trichloroethane	5.45	97	22246	5.674	ug/l	99
36) 1,1-Dichloropropene	5.76	75	18754	5.304	ug/l	99
37) Ethyl Acetate	4.79	43	19493	5.807	ug/l	97
38) Carbon Tetrachloride	5.75	117	18001	5.040	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.43	83	20441	4.880	ug/l	96
40) Benzene	6.10	78	58433	5.792	ug/l	100
41) Methacrylonitrile	5.00	41	10222	5.658	ug/l	96
42) 1,2-Dichloroethane	6.15	62	22520	6.014	ug/l	99
43) Isopropyl Acetate	6.40	43	31039	5.552	ug/l	98
44) Trichloroethene	7.18	130	14969	5.290	ug/l	98
45) 1,2-Dichloropropane	7.49	63	15052	6.021	ug/l	97
46) Dibromomethane	7.63	93	9748	5.358	ug/l	99
47) Bromodichloromethane	7.87	83	18726	5.241	ug/l	99
48) Methyl methacrylate	7.74	41	14824	5.485	ug/l	96
49) 1,4-Dioxane	7.73	88	5975	101.212	ug/l #	90
51) 4-Methyl-2-Pentanone	8.62	43	93758	28.864	ug/l	99
52) Toluene	8.76	92	35061	5.410	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	18843	4.614	ug/l	92
54) cis-1,3-Dichloropropene	8.41	75	21500	4.989	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	14210	5.544	ug/l	95
56) Ethyl methacrylate	9.16	69	18175	4.723	ug/l	98
57) 1,3-Dichloropropane	9.35	76	24462	5.626	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	52966	24.299	ug/l	99
59) 2-Hexanone	9.47	43	68523	27.639	ug/l	96
60) Dibromochloromethane	9.56	129	12099	4.432	ug/l	99
61) 1,2-Dibromoethane	9.65	107	14733	5.397	ug/l	95
64) Tetrachloroethene	9.32	164	15165	5.708	ug/l	98
65) Chlorobenzene	10.12	112	36497	5.148	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	12423	4.856	ug/l	97
67) Ethyl Benzene	10.23	91	63875	5.021	ug/l	99
68) m/p-Xylenes	10.34	106	44959	9.448	ug/l	99
69) o-Xylene	10.68	106	21465	4.755	ug/l	98
70) Styrene	10.70	104	34457	4.477	ug/l	99
71) Bromoform	10.84	173	7313	3.674	ug/l #	99
73) Isopropylbenzene	11.00	105	58830	5.316	ug/l	99
74) N-amyl acetate	10.88	43	21540	5.192	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.25	83	19889	5.682	ug/l	97
76) 1,2,3-Trichloropropane	11.28	75	19990m	6.102	ug/l	
77) Bromobenzene	11.24	156	14177	5.248	ug/l	96
78) n-propylbenzene	11.34	91	65323	5.157	ug/l	99
79) 2-Chlorotoluene	11.40	91	41157	5.494	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	48195	5.138	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.05	75	5090	4.144	ug/l	89
82) 4-Chlorotoluene	11.49	91	48851	5.346	ug/l	99
83) tert-Butylbenzene	11.75	119	44256	4.987	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	47716	5.043	ug/l	99
85) sec-Butylbenzene	11.93	105	54463	5.080	ug/l	99
86) p-Isopropyltoluene	12.05	119	48153	4.883	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	26936	5.301	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	27525	5.194	ug/l	95
89) n-Butylbenzene	12.37	91	44533	4.793	ug/l	98
90) Hexachloroethane	12.58	117	7526	4.538	ug/l	100
91) 1,2-Dichlorobenzene	12.37	146	25869	5.277	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	3972	4.680	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	14895	4.138	ug/l	99
94) Hexachlorobutadiene	13.76	225	7104	4.468	ug/l	95
95) Naphthalene	13.82	128	45562	3.958	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	14891	4.246	ug/l	99

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

