

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081920\
 Data File : VX017964.D
 Acq On : 18 Aug 2020 18:12
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 8:53:35 AM

Quant Time: Aug 19 03:06:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 02:55:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	489942	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.84	114	740232	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	726790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	359946	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	37598	5.93	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	11.86%	
35) Dibromofluoromethane	5.46	113	28713	5.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.54%	
50) Toluene-d8	8.70	98	97026	5.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.82%	
62) 4-Bromofluorobenzene	11.12	95	34564	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	25257	4.532	ug/l	90
3) Chloromethane	1.31	50	25006	3.749	ug/l	99
4) Vinyl Chloride	1.39	62	23306	3.679	ug/l	94
5) Bromomethane	1.62	94	14317	3.906	ug/l	96
6) Chloroethane	1.70	64	15030	3.973	ug/l	98
7) Trichlorofluoromethane	1.92	101	46232	4.644	ug/l	88
8) Diethyl Ether	2.17	74	15920	4.624	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.36	101	26210	4.983	ug/l	99
10) Methyl Iodide	2.49	142	25361	3.772	ug/l	99
11) Tert butyl alcohol	3.02	59	34433	26.278	ug/l	98
12) 1,1-Dichloroethene	2.35	96	22997	4.647	ug/l	88
13) Acrolein	2.27	56	18638	21.686	ug/l	97
14) Allyl chloride	2.70	41	39758	4.460	ug/l	96
15) Acrylonitrile	3.12	53	69953	24.552	ug/l	100
16) Acetone	2.42	43	64071	23.053	ug/l	99
17) Carbon Disulfide	2.54	76	45911	3.108	ug/l	98
18) Methyl Acetate	2.75	43	31672	4.852	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	74077	4.273	ug/l	100
20) Methylene Chloride	2.84	84	28967	4.869	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	22913	4.351	ug/l	91
22) Diisopropyl ether	3.82	45	75814	4.477	ug/l #	86
23) Vinyl Acetate	3.79	43	311933	21.400	ug/l	99
24) 1,1-Dichloroethane	3.67	63	48414	4.994	ug/l	99
25) 2-Butanone	4.64	43	97036	24.391	ug/l	95
26) 2,2-Dichloropropane	4.55	77	43986	5.043	ug/l	95
27) cis-1,2-Dichloroethene	4.56	96	27317	4.673	ug/l	97
28) Bromochloromethane	4.98	49	23277	5.216	ug/l	99
29) Tetrahydrofuran	5.09	42	55089	22.256	ug/l	98
30) Chloroform	5.18	83	50310	5.036	ug/l	96
31) Cyclohexane	5.55	56	29071	3.686	ug/l	93
32) 1,1,1-Trichloroethane	5.46	97	45736	4.870	ug/l	98
36) 1,1-Dichloropropene	5.77	75	29867	4.236	ug/l	92
37) Ethyl Acetate	4.80	43	40860	5.385	ug/l	99
38) Carbon Tetrachloride	5.75	117	40112	4.636	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	28203	3.389	ug/l	96
40) Benzene	6.11	78	98265	4.874	ug/l	97
41) Methacrylonitrile	5.00	41	19356	4.366	ug/l	94
42) 1,2-Dichloroethane	6.16	62	40978	4.954	ug/l	97
43) Isopropyl Acetate	6.42	43	57272	4.613	ug/l	97
44) Trichloroethene	7.19	130	28057	4.730	ug/l	89
45) 1,2-Dichloropropane	7.49	63	28484	5.026	ug/l	99
46) Dibromomethane	7.64	93	20337	5.089	ug/l	90
47) Bromodichloromethane	7.88	83	40384	4.927	ug/l	95
48) Methyl methacrylate	7.74	41	25069	3.926	ug/l	94
49) 1,4-Dioxane	7.72	88	10568	86.032	ug/l #	80
51) 4-Methyl-2-Pentanone	8.62	43	187547	24.425	ug/l	98
52) Toluene	8.77	92	60157	4.624	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	40462	4.560	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	42247	4.646	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	28138	5.152	ug/l	96
56) Ethyl methacrylate	9.16	69	33451	4.120	ug/l	97
57) 1,3-Dichloropropane	9.35	76	43633	4.877	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	85857	20.432	ug/l	98
59) 2-Hexanone	9.48	43	139599	24.292	ug/l	94
60) Dibromochloromethane	9.57	129	33855	4.905	ug/l	100
61) 1,2-Dibromoethane	9.65	107	29506	5.031	ug/l	97
64) Tetrachloroethene	9.32	164	29886	4.689	ug/l	94
65) Chlorobenzene	10.12	112	73081	4.703	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	30618	4.858	ug/l	98
67) Ethyl Benzene	10.24	91	108902	4.219	ug/l	99
68) m/p-Xylenes	10.34	106	80032	8.065	ug/l	99
69) o-Xylene	10.68	106	38958	4.063	ug/l	96
70) Styrene	10.70	104	62168	3.803	ug/l	94
71) Bromoform	10.84	173	26130	4.801	ug/l #	96
73) Isopropylbenzene	11.01	105	106857	4.350	ug/l	98
74) N-amyl acetate	10.88	43	44276	4.114	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	42780	5.478	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	38655m	5.211	ug/l	
77) Bromobenzene	11.24	156	32450	4.723	ug/l	99
78) n-propylbenzene	11.35	91	118357	4.253	ug/l	100
79) 2-Chlorotoluene	11.40	91	77002	4.474	ug/l	95
80) 1,3,5-Trimethylbenzene	11.49	105	87369	4.179	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.05	75	14135	4.797	ug/l	94
82) 4-Chlorotoluene	11.49	91	90554	4.492	ug/l	100
83) tert-Butylbenzene	11.76	119	87989	4.416	ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	88113	4.170	ug/l	100
85) sec-Butylbenzene	11.93	105	98881	4.227	ug/l	99
86) p-Isopropyltoluene	12.05	119	89038	4.009	ug/l	96
87) 1,3-Dichlorobenzene	12.01	146	57649	4.913	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	57609	4.727	ug/l	94
89) n-Butylbenzene	12.37	91	81258	4.132	ug/l	96
90) Hexachloroethane	12.58	117	22166	5.037	ug/l	92
91) 1,2-Dichlorobenzene	12.38	146	53903	4.653	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.98	75	10512	4.940	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	32687	4.221	ug/l	95
94) Hexachlorobutadiene	13.76	225	15299	4.300	ug/l	96
95) Naphthalene	13.82	128	90921	3.904	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	32753	4.233	ug/l	99

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

