

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101920\
 Data File : VX018957.D
 Acq On : 19 Oct 2020 17:13
 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
 10/20/2020 4:52:01 PM

Quant Time: Oct 19 18:19:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 17:59:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	92713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	167666	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	149376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	69669	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	21779	17.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.36%	
35) Dibromofluoromethane	5.46	113	17169	15.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	30.82%	
50) Toluene-d8	8.70	98	67450	16.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.20%	
62) 4-Bromofluorobenzene	11.12	95	22318	13.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.18	85	16900	15.739	ug/l	100
3) Chloromethane	1.31	50	18110	15.796	ug/l	99
4) Vinyl Chloride	1.39	62	24776	20.764	ug/l	99
5) Bromomethane	1.63	94	22656	34.025	ug/l	99
6) Chloroethane	1.72	64	17660	25.984	ug/l	100
7) Trichlorofluoromethane	1.92	101	41821	24.691	ug/l	96
8) Diethyl Ether	2.17	74	16115	27.043	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	22325	24.212	ug/l	98
10) Methyl Iodide	2.50	142	19730	22.975	ug/l	98
11) Tert butyl alcohol	3.01	59	27116	105.749	ug/l	99
12) 1,1-Dichloroethene	2.36	96	23565	24.492	ug/l	97
13) Acrolein	2.27	56	16632	139.333	ug/l	96
14) Allyl chloride	2.71	41	27505	17.386	ug/l	99
16) Acetone	2.42	43	52973	106.402	ug/l	100
17) Carbon Disulfide	2.55	76	51168	18.647	ug/l	99
18) Methyl Acetate	2.75	43	21427	17.889	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	59685	19.222	ug/l	98
20) Methylene Chloride	2.83	84	20658	18.219	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	20764	20.320	ug/l	98
22) Diisopropyl ether	3.82	45	52932	16.916	ug/l #	86
23) Vinyl Acetate	3.78	43	260685	92.658	ug/l	98
24) 1,1-Dichloroethane	3.67	63	35885	19.562	ug/l	99
25) 2-Butanone	4.64	43	74114	91.030	ug/l	95
26) 2,2-Dichloropropane	4.55	77	33689	21.942	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	24264	20.458	ug/l	98
28) Bromochloromethane	4.98	49	15057	17.257	ug/l	95
29) Tetrahydrofuran	5.09	42	42642	83.453	ug/l	100
30) Chloroform	5.18	83	38219	19.925	ug/l	98
31) Cyclohexane	5.55	56	28474	18.605	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	34502	19.600	ug/l	98
36) 1,1-Dichloropropene	5.77	75	29398	19.037	ug/l	99
37) Ethyl Acetate	4.79	43	28372	16.204	ug/l	99
38) Carbon Tetrachloride	5.75	117	30335	17.611	ug/l	93
39) Methylcyclohexane	7.44	83	32062	19.010	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.11	78	86177	18.898	ug/l	100
41) Methacrylonitrile	5.00	41	15146	15.839	ug/l	98
42) 1,2-Dichloroethane	6.16	62	30748	17.889	ug/l	99
43) Isopropyl Acetate	6.41	43	48268	17.070	ug/l	99
44) Trichloroethene	7.19	130	22766	17.868	ug/l	99
45) 1,2-Dichloropropane	7.49	63	21092	17.513	ug/l	100
46) Dibromomethane	7.64	93	15148	17.710	ug/l	100
47) Bromodichloromethane	7.87	83	31163	18.296	ug/l	99
48) Methyl methacrylate	7.74	41	22588	16.206	ug/l	96
49) 1,4-Dioxane	7.71	88	10108	388.038	ug/l #	96
51) 4-Methyl-2-Pentanone	8.62	43	143732	82.867	ug/l	98
52) Toluene	8.76	92	53991	18.569	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	34021	17.892	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	36686	18.254	ug/l	100
55) 1,1,2-Trichloroethane	9.20	97	21452	17.516	ug/l	97
56) Ethyl methacrylate	9.16	69	33492	18.366	ug/l	97
57) 1,3-Dichloropropane	9.35	76	36130	17.907	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	89570	106.075	ug/l	98
59) 2-Hexanone	9.47	43	108823	82.725	ug/l	97
60) Dibromochloromethane	9.57	129	22435	15.723	ug/l	97
61) 1,2-Dibromoethane	9.65	107	22922	17.237	ug/l	99
64) Tetrachloroethene	9.32	164	18946	17.437	ug/l	98
65) Chlorobenzene	10.12	112	57459	19.177	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	20943	17.930	ug/l	98
67) Ethyl Benzene	10.23	91	102327	20.058	ug/l	99
68) m/p-Xylenes	10.34	106	77301	40.411	ug/l	96
69) o-Xylene	10.68	106	36940	19.842	ug/l	95
70) Stvrene	10.70	104	61360	19.475	ug/l	98
71) Bromoform	10.84	173	16103	16.235	ug/l #	98
73) Isopropylbenzene	11.00	105	98788	21.486	ug/l	98
74) N-amyl acetate	10.88	43	37394	18.030	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.25	83	31798	19.653	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	30487m	19.906	ug/l	
77) Bromobenzene	11.24	156	22163	17.604	ug/l	91
78) n-propylbenzene	11.34	91	110420	21.118	ug/l	98
79) 2-Chlorotoluene	11.40	91	63948	19.962	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	80417	21.202	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.05	75	11802	20.548	ug/l	97
82) 4-Chlorotoluene	11.49	91	77664	20.359	ug/l	97
83) tert-Butylbenzene	11.76	119	80627	21.408	ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	82366	21.258	ug/l	98
85) sec-Butylbenzene	11.93	105	95145	22.155	ug/l	99
86) p-Isopropyltoluene	12.05	119	84906	21.624	ug/l	97
87) 1,3-Dichlorobenzene	12.01	146	41111	18.399	ug/l	97
88) 1,4-Dichlorobenzene	12.08	146	42330	18.809	ug/l	97
89) n-Butylbenzene	12.37	91	77414	21.506	ug/l	98
90) Hexachloroethane	12.58	117	13588	18.046	ug/l	94
91) 1,2-Dichlorobenzene	12.37	146	41044	19.447	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	7374	18.429	ug/l	90
93) 1,2,4-Trichlorobenzene	13.63	180	25984	18.460	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	10793	19.190	ug/l	99
95) Naphthalene	13.82	128	96050	20.598	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	26037	18.684	ug/l	97

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

