

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102419\
 Data File : VX013187.D
 Acq On : 23 Oct 2019 13:56
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 4:32:42 PM

Quant Time: Oct 24 03:47:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 15:31:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	96705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	137362	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	139789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	94899	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	37449	17.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.84%	
35) Dibromofluoromethane	5.49	113	29674	18.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.04%	
50) Toluene-d8	8.71	98	110444	18.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.74%	
62) 4-Bromofluorobenzene	11.13	95	42177	17.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	34202	17.201	ug/l	98
3) Chloromethane	1.32	50	29784	17.211	ug/l	99
4) Vinyl Chloride	1.40	62	30862	17.247	ug/l	97
5) Bromomethane	1.63	94	19071	19.940	ug/l	95
6) Chloroethane	1.72	64	20599	16.958	ug/l	95
7) Trichlorofluoromethane	1.92	101	51834	17.798	ug/l	98
8) Diethyl Ether	2.18	74	16965	16.973	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	30840	17.519	ug/l	99
10) Methyl Iodide	2.50	142	33648	15.879	ug/l	98
11) Tert butyl alcohol	3.03	59	43458	85.215	ug/l	98
12) 1,1-Dichloroethene	2.36	96	29242	17.481	ug/l	98
13) Acrolein	2.28	56	21586	73.698	ug/l	97
14) Allyl chloride	2.72	41	45425	17.390	ug/l	98
15) Acrylonitrile	3.13	53	79177	85.433	ug/l	99
16) Acetone	2.43	43	91122	93.939	ug/l	100
17) Carbon Disulfide	2.56	76	75792	16.933	ug/l	98
18) Methyl Acetate	2.76	43	37228	16.837	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	103860	17.919	ug/l	97
20) Methylene Chloride	2.85	84	32693	16.102	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	31144	16.946	ug/l	97
22) Diisopropyl ether	3.84	45	91655	18.001	ug/l	98
23) Vinyl Acetate	3.80	43	394646	89.068	ug/l	99
24) 1,1-Dichloroethane	3.69	63	55013	17.636	ug/l	100
25) 2-Butanone	4.65	43	117655	88.930	ug/l	98
26) 2,2-Dichloropropane	4.57	77	50546	17.985	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	36452	17.740	ug/l	97
28) Bromochloromethane	5.00	49	16092	19.296	ug/l	100
29) Tetrahydrofuran	5.11	42	67598	85.163	ug/l	97
30) Chloroform	5.20	83	58441	17.335	ug/l	95
31) Cyclohexane	5.57	56	48862	18.058	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	53187	17.587	ug/l	99
36) 1,1-Dichloropropene	5.79	75	44533	18.093	ug/l	98
37) Ethyl Acetate	4.82	43	41144	16.919	ug/l	98
38) Carbon Tetrachloride	5.78	117	45111	17.969	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	52959	18.146	ug/l	95
40) Benzene	6.14	78	126042	18.009	ug/l	97
41) Methacrylonitrile	5.03	41	22425	17.407	ug/l	99
42) 1,2-Dichloroethane	6.19	62	47556	18.085	ug/l	100
43) Isopropyl Acetate	6.43	43	69886	18.012	ug/l	100
44) Trichloroethene	7.20	130	35841	18.076	ug/l	100
45) 1,2-Dichloropropane	7.51	63	31583	18.181	ug/l	97
46) Dibromomethane	7.65	93	22370	18.246	ug/l	98
47) Bromodichloromethane	7.89	83	44100	18.255	ug/l	95
48) Methyl methacrylate	7.76	41	34030	18.086	ug/l	100
49) 1,4-Dioxane	7.73	88	18105	353.290	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	214728	90.307	ug/l	100
52) Toluene	8.78	92	82221	18.207	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	47178	18.236	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	52454	18.381	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	33670	18.441	ug/l	97
56) Ethyl methacrylate	9.17	69	50673	18.132	ug/l	100
57) 1,3-Dichloropropane	9.37	76	55463	18.365	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	104494	95.267	ug/l	98
59) 2-Hexanone	9.48	43	165910	88.954	ug/l	99
60) Dibromochloromethane	9.57	129	33818	18.047	ug/l	99
61) 1,2-Dibromoethane	9.67	107	34682	17.769	ug/l	99
64) Tetrachloroethene	9.33	164	36240	19.089	ug/l	98
65) Chlorobenzene	10.14	112	87958	18.012	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	32279	18.045	ug/l	98
67) Ethyl Benzene	10.25	91	159468	18.268	ug/l	99
68) m/p-Xylenes	10.36	106	121854	36.931	ug/l	97
69) o-Xylene	10.70	106	57648	17.934	ug/l	99
70) Styrene	10.71	104	98941	18.294	ug/l	100
71) Bromoform	10.85	173	23172	17.933	ug/l #	99
73) Isopropylbenzene	11.01	105	156975	18.460	ug/l	98
74) N-amyl acetate	10.89	43	56552	17.799	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	46714	17.740	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	39610m	18.028	ug/l	
77) Bromobenzene	11.25	156	36931	18.358	ug/l	99
78) n-propylbenzene	11.35	91	164064	18.006	ug/l	100
79) 2-Chlorotoluene	11.42	91	108327	18.476	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	133906	18.819	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	14721	17.133	ug/l	95
82) 4-Chlorotoluene	11.51	91	123379	18.460	ug/l	99
83) tert-Butylbenzene	11.76	119	128876	18.544	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	133413	18.296	ug/l	100
85) sec-Butylbenzene	11.94	105	150122	18.771	ug/l	99
86) p-Isopropyltoluene	12.06	119	142043	18.894	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	67423	17.965	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	68286	17.919	ug/l	97
89) n-Butylbenzene	12.39	91	114706	18.456	ug/l	99
90) Hexachloroethane	12.59	117	22949	17.936	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	68034	18.645	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	11024	17.329	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	43681	18.859	ug/l	99
94) Hexachlorobutadiene	13.78	225	21379	18.205	ug/l	99
95) Naphthalene	13.83	128	135147	18.666	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	43908	18.876	ug/l	96

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

