

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061919\
 Data File : VX010344.D
 Acq On : 19 Jun 2019 12:41
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/20/2019 1:23:19 PM

Quant Time: Jun 20 03:36:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:08:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	287804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	430936	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	386599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192363	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	13719	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	
35) Dibromofluoromethane	5.50	113	12840	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	
50) Toluene-d8	8.71	98	49684	4.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.90%	
62) 4-Bromofluorobenzene	11.13	95	17491	4.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	9953	3.992	ug/l	100
3) Chloromethane	1.32	50	11670	4.546	ug/l	97
4) Vinyl Chloride	1.41	62	12765	5.186	ug/l	94
5) Bromomethane	1.64	94	6931	7.064	ug/l	99
6) Chloroethane	1.71	64	7401	5.865	ug/l	92
7) Trichlorofluoromethane	1.93	101	20523	5.502	ug/l	98
8) Diethyl Ether	2.18	74	7486	5.744	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	12353	4.907	ug/l	98
10) Methyl Iodide	2.51	142	14893	3.872	ug/l	97
11) Tert butyl alcohol	3.05	59	19506m	28.432	ug/l	
12) 1,1-Dichloroethene	2.37	96	12673	4.924	ug/l	97
13) Acrolein	2.29	56	12975	69.766	ug/l	92
14) Allyl chloride	2.73	41	17609	4.556	ug/l	99
15) Acrylonitrile	3.14	53	35771	25.407	ug/l	99
16) Acetone	2.45	43	31089	23.128	ug/l	100
17) Carbon Disulfide	2.57	76	32466	4.399	ug/l	99
18) Methyl Acetate	2.78	43	13860	4.799	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	39159	4.746	ug/l	100
20) Methylene Chloride	2.85	84	13950	4.823	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	13235	4.655	ug/l	98
22) Diisopropyl ether	3.85	45	36345	4.887	ug/l	# 94
23) Vinyl Acetate	3.81	43	157450	23.727	ug/l	98
24) 1,1-Dichloroethane	3.70	63	21650	4.801	ug/l	99
25) 2-Butanone	4.68	43	47950	24.220	ug/l	96
26) 2,2-Dichloropropane	4.58	77	18210	4.474	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	15422	4.858	ug/l	96
28) Bromochloromethane	5.01	49	10131	4.982	ug/l	93
29) Tetrahydrofuran	5.13	42	29795	24.039	ug/l	94
30) Chloroform	5.21	83	23144	4.940	ug/l	95
31) Cyclohexane	5.57	56	19850	4.907	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	19755	4.493	ug/l	96
36) 1,1-Dichloropropene	5.80	75	16739	4.767	ug/l	98
37) Ethyl Acetate	4.84	43	17310	4.716	ug/l	94
38) Carbon Tetrachloride	5.78	117	17413	4.390	ug/l	97

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

39) Methylcyclohexane	7.46	83	22091	4.637	ug/l	92
40) Benzene	6.14	78	52783	4.850	ug/l	95
41) Methacrylonitrile	5.04	41	8959	4.527	ug/l #	92
42) 1,2-Dichloroethane	6.20	62	16644	4.809	ug/l	99
43) Isopropyl Acetate	6.45	43	28642	4.688	ug/l	99
44) Trichloroethene	7.21	130	15732	4.791	ug/l	97
45) 1,2-Dichloropropane	7.51	63	13196	4.845	ug/l	94
46) Dibromomethane	7.66	93	9310	4.559	ug/l	98
47) Bromodichloromethane	7.90	83	16511	4.355	ug/l	95
48) Methyl methacrylate	7.77	41	12974	4.556	ug/l	99
49) 1,4-Dioxane	7.74	88	7839	96.220	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	90957	24.790	ug/l	99
52) Toluene	8.78	92	34442	4.801	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	17766	4.074	ug/l	94
54) cis-1,3-Dichloropropene	8.43	75	20169	4.294	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	14207	4.841	ug/l	95
56) Ethyl methacrylate	9.18	69	20401	4.428	ug/l	99
57) 1,3-Dichloropropane	9.37	76	22323	4.834	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	52287	24.040	ug/l	97
59) 2-Hexanone	9.49	43	71769	24.501	ug/l	99
60) Dibromochloromethane	9.58	129	14148	4.102	ug/l	96
61) 1,2-Dibromoethane	9.67	107	14816	4.545	ug/l	100
64) Tetrachloroethene	9.34	164	16791	5.747	ug/l	96
65) Chlorobenzene	10.13	112	39637	4.968	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	13892	4.544	ug/l	97
67) Ethyl Benzene	10.25	91	64390	4.739	ug/l	100
68) m/p-Xylenes	10.36	106	50962	9.683	ug/l	98
69) o-Xylene	10.69	106	25417	4.868	ug/l	100
70) Styrene	10.71	104	41636	4.715	ug/l	99
71) Bromoform	10.85	173	10653	3.804	ug/l #	97
73) Isopropylbenzene	11.02	105	65329	4.883	ug/l	99
74) N-amyl acetate	10.90	43	23850	4.511	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	21402	4.682	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	17696m	4.641	ug/l	
77) Bromobenzene	11.26	156	17981	4.876	ug/l	98
78) n-propylbenzene	11.36	91	68361	4.588	ug/l	99
79) 2-Chlorotoluene	11.42	91	42121	4.719	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	52913	4.688	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	6427	3.773	ug/l	94
82) 4-Chlorotoluene	11.51	91	48101	4.743	ug/l	97
83) tert-Butylbenzene	11.77	119	53453	4.693	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	52486	4.602	ug/l	99
85) sec-Butylbenzene	11.94	105	62028	4.665	ug/l	98
86) p-Isopropyltoluene	12.06	119	56487	4.640	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	32014	4.938	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	32072	4.890	ug/l	93
89) n-Butylbenzene	12.38	91	45790	4.374	ug/l	99
90) Hexachloroethane	12.60	117	8909	3.727	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	32472	5.132	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	4285	4.035	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	19915	4.304	ug/l	97
94) Hexachlorobutadiene	13.78	225	10082	4.826	ug/l	99
95) Naphthalene	13.83	128	62069	4.279	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	21377	4.664	ug/l	97

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

