

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012919\
 Data File : VX007287.D
 Acq On : 29 Jan 2019 14:49
 Operator : JC/SP
 Sample : VX0129WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0129WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/30/2019 9:17:35 AM

Quant Time: Jan 30 02:53:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 28 10:35:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	80148	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	426962	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	390429	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	157995	30.03	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.10%
60) 4-Bromofluorobenzene	11.13	95	182146	30.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.77%
63) Toluene-d8	8.71	98	523071	29.72	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	65232	18.132 ug/l	94
3) Chloromethane	1.33	50	77545	19.280 ug/l	99
4) Vinyl Chloride	1.41	62	89386	19.584 ug/l	98
5) Bromomethane	1.64	94	90924	19.113 ug/l	97
6) Chloroethane	1.73	64	58844	19.130 ug/l	96
7) Trichlorofluoromethane	1.93	101	149619	19.416 ug/l	99
8) Diethyl Ether	2.19	74	58451	20.067 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	86491	19.004 ug/l	98
10) 1,1-Dichloroethene	2.38	96	82518	19.948 ug/l	100
11) Methyl Iodide	2.51	142	121115	18.047 ug/l	95
12) Methyl Acetate	2.78	43	139603	19.816 ug/l	100
13) Acrolein	2.30	56	53768	105.424 ug/l	96
14) Acrylonitrile	3.15	53	265272	100.577 ug/l	99
15) Acetone	2.45	58	73348	97.839 ug/l	99
16) Carbon Disulfide	2.57	76	172658	17.310 ug/l	100
17) Allyl chloride	2.73	41	137747	19.152 ug/l	94
18) Methylene Chloride	2.86	84	97579	20.467 ug/l	95
19) trans-1,2-Dichloroethene	3.17	96	88188	19.688 ug/l	94
20) Diisopropyl ether	3.87	45	268351	20.041 ug/l	91
21) 1,1-Dichloroethane	3.70	63	148252	19.386 ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	98319	19.959 ug/l	97
23) tert-Butyl Alcohol	3.07	59	106984	96.521 ug/l	100
24) Methyl tert-Butyl Ether	3.21	73	291993	20.152 ug/l	99
25) Chloroform	5.21	83	158658	20.073 ug/l	99
26) Cyclohexane	5.58	56	123511	19.176 ug/l #	98
29) 1,1-Dichloropropene	5.80	75	110139	19.788 ug/l	98
30) 2-Butanone	4.70	43	332681	100.033 ug/l #	98
31) 2,2-Dichloropropane	4.59	77	100862	17.937 ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	129884	19.745 ug/l	98
33) Carbon Tetrachloride	5.79	117	109544	18.945 ug/l	98
34) Benzene	6.14	78	347336	20.231 ug/l	98
35) Methacrylonitrile	5.06	41	68135	20.071 ug/l	96
36) 1,2-Dichloroethane	6.20	62	120335	20.312 ug/l	100
37) Trichloroethene	7.21	130	101829	20.116 ug/l	99
38) Methylcyclohexane	7.46	83	135356	19.189 ug/l	96
39) 1,2-Dichloropropane	7.51	63	89078	20.689 ug/l	98
40) Dibromomethane	7.66	93	62595	20.183 ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	103122	18.946	ug/l	96
42) Vinyl Acetate	3.82	43	1096496	97.242	ug/l	100
43) Ethyl Acetate	4.85	43	120685	19.448	ug/l	99
44) Isopropyl Acetate	6.46	43	191626	19.771	ug/l	100
45) 1,4-Dioxane	7.75	88	41585	354.069	ug/l	95
46) Methyl methacrylate	7.77	41	98743	19.925	ug/l	98
47) n-amyl Acetate	10.90	43	167366	19.639	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	110413	18.599	ug/l	94
49) cis-1,3-Dichloropropene	8.44	75	126247	19.143	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	96769	20.789	ug/l	93
51) Ethyl methacrylate	9.18	69	133826	20.121	ug/l	97
52) 1,3-Dichloropropane	9.37	76	152551	20.467	ug/l	100
53) Dibromochloromethane	9.58	129	89410	19.004	ug/l	100
54) 1,2-Dibromoethane	9.67	107	102358	20.426	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	366705	100.222	ug/l	99
56) Bromoform	10.86	173	64028	17.923	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	658102	100.802	ug/l	100
59) 2-Hexanone	9.49	43	496081	98.192	ug/l	99
61) Tetrachloroethene	9.33	164	107225	19.703	ug/l	98
62) Toluene	8.78	91	393013	19.998	ug/l	100
64) Chlorobenzene	10.14	112	259290	20.000	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	89653	19.523	ug/l	99
66) Ethyl Benzene	10.25	91	422507	19.843	ug/l	100
67) m/p-Xylenes	10.36	106	330456	39.300	ug/l	97
68) o-Xylene	10.69	106	161202	19.570	ug/l	99
69) Styrene	10.71	104	260496	19.602	ug/l	99
70) Isopropylbenzene	11.02	105	431735	19.798	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	140795	20.165	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	132147m	20.131	ug/l	
73) Bromobenzene	11.26	156	119241	19.756	ug/l	98
74) n-propylbenzene	11.36	91	483631	19.706	ug/l	99
75) 2-Chlorotoluene	11.42	91	286794	19.706	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	351834	19.331	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	31396	16.462	ug/l	98
78) 4-Chlorotoluene	11.51	91	325434	19.205	ug/l	99
79) tert-butylbenzene	12.07	119	382188	19.408	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	362714	19.682	ug/l	99
81) sec-Butylbenzene	11.94	105	428215	19.512	ug/l	99
82) p-Isopropyltoluene	12.07	119	382188	19.408	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	209235	19.501	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	204566	19.057	ug/l	99
85) n-Butylbenzene	12.39	91	310900	18.396	ug/l	100
86) Hexachloroethane	12.60	117	56302	18.492	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	208355	19.503	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	27410	19.261	ug/l	92
89) 1,2,4-Trichlorobenzene	13.65	180	139465	19.015	ug/l	99
90) Hexachlorobutadiene	13.79	225	64431	18.419	ug/l	98
91) Naphthalene	13.83	128	428296	19.292	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	143333	19.709	ug/l	99

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

