

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072718\
 Data File : VX003722.D
 Acq On : 27 Jul 2018 20:06
 Operator : JC/SP
 Sample : VX0727WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0727WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 3:42:33 PM

Quant Time: Jul 28 03:16:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	22674	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	102608	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	95213	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	44302	26.61	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	88.70%
60) 4-Bromofluorobenzene	11.14	95	48542	31.66	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	105.53%
63) Toluene-d8	8.72	98	132265	30.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	21379	17.851	ug/l 98
3) Chloromethane	1.32	50	29363	18.217	ug/l 99
4) Vinyl Chloride	1.40	62	30884	18.219	ug/l 99
5) Bromomethane	1.64	94	18021	17.786	ug/l 98
6) Chloroethane	1.72	64	20283	18.279	ug/l 97
7) Trichlorofluoromethane	1.93	101	41101	18.026	ug/l 98
8) Diethyl Ether	2.19	74	17777	18.189	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	25415	18.383	ug/l 98
10) 1,1-Dichloroethene	2.37	96	23850	18.347	ug/l 96
11) Methyl Iodide	2.51	142	32684	18.138	ug/l 94
12) Methyl Acetate	2.78	43	45663	18.984	ug/l 94
13) Acrolein	2.29	56	17391	92.703	ug/l 100
14) Acrylonitrile	3.15	53	88581	93.463	ug/l 99
15) Acetone	2.45	58	23526	91.475	ug/l 78
16) Carbon Disulfide	2.57	76	64179	17.778	ug/l 100
17) Allyl chloride	2.73	41	48159	17.901	ug/l 98
18) Methylene Chloride	2.86	84	28793	18.698	ug/l 96
19) trans-1,2-Dichloroethene	3.17	96	26347	18.750	ug/l 98
20) Diisopropyl ether	3.88	45	95156	19.260	ug/l 98
21) 1,1-Dichloroethane	3.70	63	52055	18.612	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	27942	19.692	ug/l # 78
23) tert-Butyl Alcohol	3.07	59	38071	95.629	ug/l 100
24) Methyl tert-Butyl Ether	3.21	73	87758	18.823	ug/l 91
25) Chloroform	5.22	83	46336	19.130	ug/l 96
26) Cyclohexane	5.58	56	34542	16.439	ug/l # 96
29) 1,1-Dichloropropene	5.80	75	29854	19.702	ug/l 99
30) 2-Butanone	4.71	43	112976	116.756	ug/l 96
31) 2,2-Dichloropropane	4.59	77	32399	22.075	ug/l 100
32) 1,1,1-Trichloroethane	5.50	97	34757	20.049	ug/l 99
33) Carbon Tetrachloride	5.79	117	29435	19.539	ug/l 95
34) Benzene	6.15	78	92124	19.789	ug/l 98
35) Methacrylonitrile	5.07	41	23236	23.108	ug/l 94
36) 1,2-Dichloroethane	6.20	62	34616	20.688	ug/l 98
37) Trichloroethene	7.22	130	23198	19.119	ug/l 98
38) Methylcyclohexane	7.46	83	32722	19.005	ug/l 99
39) 1,2-Dichloropropane	7.52	63	24310	19.760	ug/l 92
40) Dibromomethane	7.67	93	15914	19.989	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	29569	19.440	ug/l	99
42) Vinyl Acetate	3.83	43	402752	108.322	ug/l	99
43) Ethyl Acetate	4.87	43	41864	23.162	ug/l	96
44) Isopropyl Acetate	6.47	43	55154	19.895	ug/l	98
45) 1,4-Dioxane	7.76	88	12226	397.108	ug/l #	87
46) Methyl methacrylate	7.78	41	28524	19.944	ug/l	95
47) n-amyl Acetate	10.90	43	52387	20.016	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	35135	19.036	ug/l	99
49) cis-1,3-Dichloropropene	9.04	75	31864	18.400	ug/l	97
50) 1,1,2-Trichloroethane	9.22	97	24155	19.113	ug/l	98
51) Ethyl methacrylate	9.18	69	34671	18.219	ug/l	94
52) 1,3-Dichloropropane	9.38	76	40353	19.186	ug/l	100
53) Dibromochloromethane	9.59	129	22192	17.877	ug/l	99
54) 1,2-Dibromoethane	9.68	107	24572	18.592	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	96217	98.029	ug/l	99
56) Bromoform	10.86	173	18389	19.088	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	190824	106.142	ug/l	96
59) 2-Hexanone	9.50	43	148069	103.437	ug/l	96
61) Tetrachloroethene	9.34	164	21495	19.399	ug/l	98
62) Toluene	8.79	91	100858	20.409	ug/l	99
64) Chlorobenzene	10.14	112	63354	19.838	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	22663	20.055	ug/l	99
66) Ethyl Benzene	10.26	91	106396	19.565	ug/l	100
67) m/p-Xylenes	10.36	106	83995	40.100	ug/l	99
68) o-Xylene	10.70	106	41785	20.852	ug/l	100
69) Styrene	10.71	104	70164	20.679	ug/l	98
70) Isopropylbenzene	11.02	105	115659	20.963	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	40682	20.656	ug/l	98
72) 1,2,3-Trichloropropane	11.30	75	34010m	20.758	ug/l	
73) Bromobenzene	11.26	156	29008	19.510	ug/l	97
74) n-propylbenzene	11.36	91	128193	19.727	ug/l	99
75) 2-Chlorotoluene	11.42	91	76254	19.909	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	91953	19.642	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	10471	18.755	ug/l	90
78) 4-Chlorotoluene	11.51	91	88670	19.786	ug/l	99
79) tert-butylbenzene	12.07	119	93511	19.414	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	94455	19.715	ug/l	99
81) sec-Butylbenzene	11.95	105	107658	19.747	ug/l	97
82) p-Isopropyltoluene	12.07	119	93511	19.414	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	52884	19.476	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	53489	19.566	ug/l	100
85) n-Butylbenzene	12.39	91	86800	20.302	ug/l	99
86) Hexachloroethane	12.60	117	16665	21.470	ug/l	96
87) 1,2-Dichlorobenzene	12.40	146	56436	20.704	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	8510	20.471	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	37616	19.654	ug/l	99
90) Hexachlorobutadiene	13.79	225	19905	22.943	ug/l	99
91) Naphthalene	13.84	128	122872	21.006	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	39516	20.275	ug/l	99

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

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