

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071318\
 Data File : VL032257.D
 Acq On : 13 Jul 2018 22:48
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 7/16/2018 9:46:05 AM

Quant Time: Jul 15 23:23:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 13 2018
 QLast Update : Fri Jul 13 04:25:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1484132	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3593069	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.34	117	4345126m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.68	95	3212306	9.55	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.50%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.13	85	2354650	11.020	ppbv	98
3) Chlorodifluoromethane	3.07	51	1694528	9.291	ppbv	99
4) Chloromethane	3.22	50	955823	9.213	ppbv	100
5) Vinyl Chloride	3.35	62	881466	8.624	ppbv	100
6) Bromomethane	3.57	94	524104	9.210	ppbv	100
7) Chloroethane	3.66	64	345465	9.814	ppbv	98
8) Dichlorotetrafluoroethane	3.28	85	1911987	8.147	ppbv	100
9) Propene	3.09	41	748679	9.630	ppbv	98
10) Heptane	8.34	43	2296625	10.402	ppbv	99
11) Trichlorofluoromethane	4.07	101	1928180	9.433	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1237220	9.476	ppbv	100
13) Ethanol	3.71	45	176340	7.858	ppbv	96
14) Bromoethene	3.85	108	610403	9.910	ppbv	99
15) Acetone	3.97	43	1536679	8.923	ppbv	99
16) 1,3-Butadiene	3.42	39	1129123	12.975	ppbv #	75
17) tert-Butyl alcohol	4.43	59	807677	10.044	ppbv	99
18) 1,1-Dichloroethene	4.42	96	598856	9.856	ppbv	97
19) Isopropyl Alcohol	4.09	45	1105539	9.776	ppbv	100
20) Methylene Chloride	4.48	84	538220	9.222	ppbv	99
21) Allyl Chloride	4.55	41	1082551	10.737	ppbv	99
22) trans-1,2-Dichloroethene	5.04	96	677749	11.719	ppbv	98
23) Vinyl Acetate	5.23	43	3028953	10.575	ppbv	99
24) 1,1-Dichloroethane	5.17	63	1997853	9.934	ppbv	99
25) Ethyl Acetate	5.85	43	3394939	9.961	ppbv	100
26) Hexane	5.86	57	1516977	9.758	ppbv	98
27) Carbon Disulfide	4.69	76	1536060	11.043	ppbv	100
28) Methyl tert-Butyl Ether	5.19	73	2708192	11.068	ppbv	100
29) Chloroform	5.93	83	2296134	9.567	ppbv	100
30) Cyclohexane	7.34	84	1442959	10.518	ppbv	99
31) cis-1,2-Dichloroethene	5.72	61	1633670	10.530	ppbv	97
32) 1,1,1-Trichloroethane	6.71	97	2485192	10.671	ppbv	99
34) 2-Butanone	5.40	43	2405939	9.828	ppbv	99
35) Carbon Tetrachloride	7.22	117	2625926	10.799	ppbv	98
36) Benzene	7.09	78	3533943	9.896	ppbv	99
37) 1,2-Dichloroethane	6.50	62	1961125	10.031	ppbv	100
38) Trichloroethene	8.05	130	1200123	9.798	ppbv	99
39) 1,2-Dichloropropane	7.83	63	1532615	10.800	ppbv	94
40) 1,4-Dioxane	8.05	88	475497m	9.772	ppbv	
41) Tetrahydrofuran	6.23	42	1489997	10.876	ppbv	99
42) Bromodichloromethane	8.01	83	2716303	9.758	ppbv	99
43) Methyl Methacrylate	8.22	69	1457237m	10.561	ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	6362502	10.360	ppbv	99
45) t-1,3-Dichloropropene	9.51	75	2170664	13.208	ppbv	99
46) cis-1,3-Dichloropropene	8.93	75	2509489	11.195	ppbv	99
47) 1,1,2-Trichloroethane	9.71	97	1371337	8.652	ppbv	98
48) Dibromochloromethane	10.55	129	2464517	10.451	ppbv	99
49) Bromoform	13.30	173	2001432	10.588	ppbv	99
50) 4-Methyl-2-Pentanone	8.96	43	4363559	10.303	ppbv	99
51) 2-Hexanone	10.37	43	3734761	10.559	ppbv	100
52) Tetrachloroethene	11.47	164	1184532	8.978	ppbv	98
53) Toluene	10.04	91	4464263	10.574	ppbv	100
54) 1,2-Dibromoethane	10.86	107	2397865	10.247	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.38	131	1714207	9.082	ppbv #	61
57) Chlorobenzene	12.40	112	3199484	8.712	ppbv	99
58) Ethyl Benzene	12.96	91	5964800	9.427	ppbv	99
59) m/p-Xylene	13.25	91	9515028m	18.277	ppbv	
60) o-Xylene	13.95	91	4641433	9.035	ppbv	99
61) Styrene	13.78	104	3797415	9.865	ppbv	99
62) Isopropylbenzene	14.93	105	6465891	8.977	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.94	83	3473742	8.312	ppbv	100
64) n-propylbenzene	15.82	120	1691404	9.276	ppbv	98
65) tert-Butylbenzene	17.01	119	5306284	8.794	ppbv	100
66) Benzyl Chloride	17.26	91	3862813	12.650	ppbv	100
67) sec-Butylbenzene	17.56	105	8010013	9.086	ppbv	100
69) p-Isopropyltoluene	17.92	119	6469376	9.424	ppbv	100
70) n-Butylbenzene	18.81	91	7174916	9.462	ppbv	100
71) 2-Chlorotoluene	15.72	91	5242937	9.249	ppbv	100
72) 4-Ethyltoluene	16.10	105	5549351	9.627	ppbv	99
73) 1,3,5-Trimethylbenzene	16.26	105	5292816	9.875	ppbv	100
74) 1,2,4-Trimethylbenzene	17.02	105	5157311	9.410	ppbv	98
75) 1,3-Dichlorobenzene	17.27	146	2835373	8.672	ppbv	100
76) 1,4-Dichlorobenzene	17.41	146	2942224	9.189	ppbv	99
77) 1,2-Dichlorobenzene	18.09	146	2871684	8.838	ppbv	99
78) Hexachloro-1,3-Butadiene	23.64	225	1691029	16.698	ppbv	99
79) Naphthalene	22.53	128	5311139	14.436	ppbv	99
80) Naphthalene,2-methyl-	25.19	142	2495233	21.229	ppbv	99
81) 1,2,4-Trichlorobenzene	22.25	180	2362141	12.830	ppbv	100

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

