

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072721\
 Data File : VL037279.D
 Acq On : 27 Jul 2021 2:35
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 9:03:23 AM

Quant Time: Jul 27 06:46:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 27 2021
 QLast Update : Tue Jul 27 06:38:44 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1373250	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3998351	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3739827m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2936729	10.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2226955	9.194	ppbv	100
3) Chlorodifluoromethane	2.99	51	2497569	9.270	ppbv	100
4) Chloromethane	3.14	50	860404	9.594	ppbv	100
5) Vinyl Chloride	3.25	62	889495	9.105	ppbv	100
6) Bromomethane	3.47	94	516572	8.949	ppbv	100
7) Chloroethane	3.56	64	346052	9.720	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	2338173	9.436	ppbv	100
9) Propene	3.01	41	794140	9.257	ppbv	100
10) Heptane	8.12	43	2039261	9.782	ppbv	100
11) Trichlorofluoromethane	3.95	101	2518021	9.730	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1805504	9.873	ppbv	100
13) Ethanol	3.60	45	98937m	7.613	ppbv	
14) Bromoethene	3.74	108	755033	9.952	ppbv	100
15) Acetone	3.85	43	1355025	8.512	ppbv	100
16) 1,3-Butadiene	3.32	39	915441	9.902	ppbv	100
17) tert-Butyl alcohol	4.29	59	1504256	10.442	ppbv	100
18) 1,1-Dichloroethene	4.29	96	817043	10.062	ppbv	100
19) Isopropyl Alcohol	3.97	45	807753	8.735	ppbv	98
20) Methylene Chloride	4.34	84	708973	7.512	ppbv	100
21) Allyl Chloride	4.41	41	1203747	10.110	ppbv	100
22) trans-1,2-Dichloroethene	4.89	96	797278	9.953	ppbv	100
23) Vinyl Acetate	5.08	43	2152331	9.633	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1807900	9.977	ppbv	100
25) Ethyl Acetate	5.68	43	3221876	9.520	ppbv	100
26) Hexane	5.69	57	1520205	8.919	ppbv	100
27) Carbon Disulfide	4.55	76	1852228	10.999	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	2007610	9.791	ppbv	100
29) Chloroform	5.75	83	2562794	9.659	ppbv	100
30) Cyclohexane	7.13	84	1336785	9.407	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	1537192	9.776	ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	2662756	9.429	ppbv	100
34) 2-Butanone	5.25	43	1538852	9.703	ppbv	99
35) Carbon Tetrachloride	7.02	117	2888439	10.630	ppbv	100
36) Benzene	6.89	78	3157740	9.703	ppbv	100
37) 1,2-Dichloroethane	6.31	62	1963255	10.255	ppbv	100
38) Trichloroethene	7.84	130	1361999	8.802	ppbv	100
39) 1,2-Dichloropropane	7.62	63	1213707	10.038	ppbv	100
40) 1,4-Dioxane	7.84	88	314631	9.614	ppbv	# 100
41) Tetrahydrofuran	6.05	42	735067	10.074	ppbv	100
42) Bromodichloromethane	7.80	83	2717057	10.380	ppbv	100
43) Methyl Methacrylate	8.02	69	1165878	10.364	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5260375	9.570	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1088001	11.214	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1387807	10.417	ppbv	100
47) 1,1,2-Trichloroethane	9.48	97	1360134	9.821	ppbv	100
48) Dibromochloromethane	10.31	129	2481200	11.278	ppbv	100
49) Bromoform	13.05	173	2067558	12.454	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2344619	10.749	ppbv	100
51) 2-Hexanone	10.14	43	1195847	11.208	ppbv	99
52) Tetrachloroethene	11.23	164	1312670	8.701	ppbv	100
53) Toluene	9.81	91	3821153	9.805	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2034592	10.207	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.13	131	1703517	10.262	ppbv #	66
57) Chlorobenzene	12.15	112	2943937	9.608	ppbv	100
58) Ethyl Benzene	12.72	91	5109787	9.836	ppbv	100
59) m/p-Xylene	13.00	91	8730783m	19.759	ppbv	
60) o-Xylene	13.70	91	4161615	9.868	ppbv	100
61) Styrene	13.54	104	2316128	10.741	ppbv	100
62) Isopropylbenzene	14.67	105	5819433	9.699	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2843083	10.098	ppbv	100
64) n-propylbenzene	15.57	120	1535001	10.252	ppbv	100
65) tert-Butylbenzene	16.75	119	5338716	9.974	ppbv	100
66) Benzyl Chloride	16.99	91	235113	10.314	ppbv	99
67) sec-Butylbenzene	17.30	105	7047886	9.889	ppbv	100
69) p-Isopropyltoluene	17.66	119	6058603	10.077	ppbv	100
70) n-Butylbenzene	18.56	91	5666132	10.191	ppbv	100
71) 2-Chlorotoluene	15.46	91	4258918	10.118	ppbv	100
72) 4-Ethyltoluene	15.84	105	4978134	10.359	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4552762	9.801	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	4762731	9.948	ppbv	100
75) 1,3-Dichlorobenzene	17.00	146	2876312	9.898	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2728819	9.416	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	2761737	9.794	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1726734	7.364	ppbv	99
79) Naphthalene	22.20	128	3159682	8.431	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	590424	6.560	ppbv	99
81) 1,2,4-Trichlorobenzene	21.93	180	1862842	8.474	ppbv	98

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

