

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061421\
 Data File : VL037146.D
 Acq On : 14 Jun 2021 13:01
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 6/15/2021 5:17:06 PM

Quant Time: Jun 14 14:11:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1575657	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	4590487	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	4398387	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3166196	9.58	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	475839	1.780 ppbv	97
3) Chlorodifluoromethane	2.99	51	639478	2.215 ppbv	98
4) Chloromethane	3.14	50	216348	2.203 ppbv	98
5) Vinyl Chloride	3.27	62	226705	2.111 ppbv	90
6) Bromomethane	3.48	94	131286	2.320 ppbv	98
7) Chloroethane	3.56	64	83374	2.391 ppbv	92
8) Dichlorotetrafluoroethane	3.19	85	578719	2.306 ppbv	97
9) Propene	3.01	41	208750	2.020 ppbv	98
10) Heptane	8.13	43	503741	1.956 ppbv	99
11) Trichlorofluoromethane	3.96	101	614797	2.485 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	414387	2.351 ppbv	94
13) Ethanol	3.62	45	29076m	2.108 ppbv	
14) Bromoethene	3.74	108	176924	2.279 ppbv	97
15) Acetone	3.86	43	462815	2.868 ppbv #	78
16) 1,3-Butadiene	3.33	39	215644	2.151 ppbv	98
17) tert-Butyl alcohol	4.30	59	354295	2.397 ppbv	98
18) 1,1-Dichloroethene	4.29	96	185738	2.279 ppbv	93
19) Isopropyl Alcohol	3.98	45	221196	2.550 ppbv #	39
20) Methylene Chloride	4.35	84	180673	2.088 ppbv	95
21) Allyl Chloride	4.42	41	265401	2.180 ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	172791	2.212 ppbv	90
23) Vinyl Acetate	5.08	43	509369	1.988 ppbv	98
24) 1,1-Dichloroethane	5.02	63	422131	2.289 ppbv	98
25) Ethyl Acetate	5.69	43	797646	2.057 ppbv	99
26) Hexane	5.69	57	402582	2.032 ppbv	98
27) Carbon Disulfide	4.56	76	388114	1.944 ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	500839	2.109 ppbv	99
29) Chloroform	5.76	83	629285	2.248 ppbv	99
30) Cyclohexane	7.14	84	347160	2.062 ppbv	90
31) cis-1,2-Dichloroethene	5.56	61	374180	2.107 ppbv	94
32) 1,1,1-Trichloroethane	6.52	97	637355	2.121 ppbv	99
34) 2-Butanone	5.26	43	373682	2.236 ppbv	91
35) Carbon Tetrachloride	7.03	117	668103	2.190 ppbv	98
36) Benzene	6.90	78	800301	2.024 ppbv	96
37) 1,2-Dichloroethane	6.31	62	458594	2.339 ppbv	100
38) Trichloroethene	7.84	130	350445	2.072 ppbv	96
39) 1,2-Dichloropropane	7.63	63	308783m	2.027 ppbv	
40) 1,4-Dioxane	7.86	88	82196m	2.285 ppbv	
41) Tetrahydrofuran	6.07	42	185753m	1.951 ppbv	
42) Bromodichloromethane	7.80	83	627632	2.116 ppbv	99
43) Methyl Methacrylate	8.02	69	271250	1.990 ppbv	95

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44) 2,2,4-Trimethylpentane	7.87	57	1374369	2.026	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	233241	2.240	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	322396	2.302	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	337739	2.119	ppbv	96
48) Dibromochloromethane	10.32	129	561069	2.174	ppbv	99
49) Bromoform	13.05	173	433978	2.036	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	543862	1.972	ppbv	99
51) 2-Hexanone	10.16	43	261203	1.791	ppbv #	100
52) Tetrachloroethene	11.23	164	343270	2.183	ppbv	96
53) Toluene	9.82	91	970263	2.062	ppbv	99
54) 1,2-Dibromoethane	10.62	107	493744	2.178	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	412160	2.227	ppbv #	1
57) Chlorobenzene	12.16	112	776484	2.277	ppbv	100
58) Ethyl Benzene	12.72	91	1330329	2.143	ppbv	98
59) m/p-Xylene	13.01	91	2242884m	4.371	ppbv	
60) o-Xylene	13.70	91	1080520	2.208	ppbv	97
61) Styrene	13.54	104	557360	2.022	ppbv	96
62) Isopropylbenzene	14.68	105	1530954	2.177	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	722488	1.977	ppbv	99
64) n-propylbenzene	15.57	120	390461	2.152	ppbv	86
65) tert-Butylbenzene	16.76	119	1425262m	2.246	ppbv	
66) Benzyl Chloride	17.00	91	53787m	1.527	ppbv	
67) sec-Butylbenzene	17.31	105	1882302	2.174	ppbv	99
69) p-Isopropyltoluene	17.67	119	1595087	2.143	ppbv	99
70) n-Butylbenzene	18.56	91	1456635	2.060	ppbv	98
71) 2-Chlorotoluene	15.46	91	1107588	2.180	ppbv	99
72) 4-Ethyltoluene	15.85	105	1220121	2.101	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	1144449	2.098	ppbv	92
74) 1,2,4-Trimethylbenzene	16.77	105	1218318	2.160	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	724300	2.103	ppbv	98
76) 1,4-Dichlorobenzene	17.15	146	676505	1.943	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	717179	2.078	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	510552	1.840	ppbv	98
79) Naphthalene	22.22	128	705201m	1.594	ppbv	
80) Naphthalene, 2-methyl-	24.99	142	143700m	1.493	ppbv	
81) 1,2,4-Trichlorobenzene	21.94	180	460706m	1.708	ppbv	

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

