

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037313.D
 Acq On : 4 Aug 2021 17:24
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 8/5/2021 1:39:45 PM

Quant Time: Aug 04 22:28:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 04 22:28:00 2021
 QLast Update : Wed Aug 04 22:14:21 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1319146	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4195744	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3739003	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2488426	9.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1917992	7.655	ppbv	100
3) Chlorodifluoromethane	2.98	51	2197517	8.133	ppbv	100
4) Chloromethane	3.14	50	811943	8.475	ppbv	100
5) Vinyl Chloride	3.25	62	893404	8.547	ppbv	100
6) Bromomethane	3.47	94	534864	9.702	ppbv	100
7) Chloroethane	3.55	64	312839	9.681	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	2109401	8.617	ppbv	100
9) Propene	3.00	41	798762	8.327	ppbv	100
10) Heptane	8.11	43	1925108	8.411	ppbv	100
11) Trichlorofluoromethane	3.94	101	2015252	8.199	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1501403	8.350	ppbv	100
13) Ethanol	3.61	45	109844m	11.577	ppbv	
14) Bromoethene	3.74	108	698305	8.806	ppbv	100
15) Acetone	3.84	43	1039651	7.142	ppbv	100
16) 1,3-Butadiene	3.32	39	791259	8.521	ppbv	100
17) tert-Butyl alcohol	4.29	59	1321550	11.615	ppbv	100
18) 1,1-Dichloroethene	4.29	96	695855	8.557	ppbv	100
19) Isopropyl Alcohol	3.97	45	766365	10.464	ppbv	100
20) Methylene Chloride	4.34	84	623676	5.193	ppbv	100
21) Allyl Chloride	4.41	41	1021434	10.306	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	667122	8.884	ppbv	100
23) Vinyl Acetate	5.07	43	1999705	9.197	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1539280	8.474	ppbv	100
25) Ethyl Acetate	5.67	43	3016396	9.001	ppbv	100
26) Hexane	5.68	57	1513369	7.144	ppbv	100
27) Carbon Disulfide	4.55	76	1644785	9.667	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1844297	8.645	ppbv	100
29) Chloroform	5.74	83	2185722	8.160	ppbv	100
30) Cyclohexane	7.12	84	1335527	9.173	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	1419966	9.619	ppbv	100
32) 1,1,1-Trichloroethane	6.50	97	2167776	9.108	ppbv	100
34) 2-Butanone	5.24	43	1340631	9.068	ppbv	100
35) Carbon Tetrachloride	7.01	117	2258202	8.718	ppbv	100
36) Benzene	6.88	78	3212955	8.432	ppbv	100
37) 1,2-Dichloroethane	6.30	62	1523735	8.568	ppbv	100
38) Trichloroethene	7.83	130	1334857	8.144	ppbv	100
39) 1,2-Dichloropropane	7.61	63	1211742	9.834	ppbv	100
40) 1,4-Dioxane	7.83	88	328502	17.393	ppbv	100
41) Tetrahydrofuran	6.04	42	728890	11.761	ppbv	100
42) Bromodichloromethane	7.78	83	2395812	8.989	ppbv	100
43) Methyl Methacrylate	8.01	69	1128174	9.582	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5167774	8.197	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1069647	11.211	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	1408599	9.551	ppbv	100
47) 1,1,2-Trichloroethane	9.47	97	1277313	9.546	ppbv	100
48) Dibromochloromethane	10.29	129	2082388	9.157	ppbv	100
49) Bromoform	13.03	173	1630045	9.327	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	1976784	9.294	ppbv	100
51) 2-Hexanone	10.14	43	983497	13.848	ppbv #	100
52) Tetrachloroethene	11.21	164	1279436	9.311	ppbv	100
53) Toluene	9.80	91	3750123	8.327	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1874440	9.620	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1382433	8.453	ppbv	100
57) Chlorobenzene	12.14	112	2631352	8.285	ppbv	100
58) Ethyl Benzene	12.70	91	4713548	8.552	ppbv	100
59) m/p-Xylene	12.98	91	7832121m	25.907	ppbv	
60) o-Xylene	13.68	91	3356580	7.875	ppbv	100
61) Styrene	13.52	104	2017157	8.635	ppbv	100
62) Isopropylbenzene	14.65	105	4880365	8.937	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	2486133	9.792	ppbv	100
64) n-propylbenzene	15.55	120	1373093	8.507	ppbv	100
65) tert-Butylbenzene	16.73	119	4622846	9.001	ppbv	100
66) Benzyl Chloride	16.97	91	218387	2.094	ppbv	100
67) sec-Butylbenzene	17.28	105	6294963	9.192	ppbv	100
69) p-Isopropyltoluene	17.64	119	5448712	8.486	ppbv	100
70) n-Butylbenzene	18.54	91	5175000	8.819	ppbv	100
71) 2-Chlorotoluene	15.44	91	3542502	8.199	ppbv	100
72) 4-Ethyltoluene	15.83	105	4332872	8.496	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	3898430	8.467	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	4176432	8.495	ppbv	100
75) 1,3-Dichlorobenzene	16.98	146	2637290	8.704	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	2607857	8.938	ppbv	100
77) 1,2-Dichlorobenzene	17.80	146	2599908	8.989	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	2070722	9.061	ppbv	100
79) Naphthalene	22.18	128	4707640	11.228	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	1068104	16.150	ppbv	100
81) 1,2,4-Trichlorobenzene	21.91	180	2538479	11.692	ppbv	100

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

