

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102721\
 Data File : VL037931.D
 Acq On : 28 Oct 2021 00:43
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/28/2021
 Supervised By : Mahesh Dadoda 10/29/2021

Quant Time: Oct 28 08:03:57 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1444193	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4214278	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3665007m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2683619	10.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1420529	6.158 ppbv	100
3) Chlorodifluoromethane	3.00	51	2589408	9.331 ppbv	100
4) Chloromethane	3.15	50	999701	9.836 ppbv	95
5) Vinyl Chloride	3.27	62	974452	10.459 ppbv	96
6) Bromomethane	3.48	94	502011	9.961 ppbv	99
7) Chloroethane	3.57	64	358954	10.478 ppbv	92
8) Dichlorotetrafluoroethane	3.20	85	2158558	9.467 ppbv	97
9) Propene	3.02	41	938224	9.189 ppbv	98
10) Heptane	8.13	43	2386834	10.293 ppbv	99
11) Trichlorofluoromethane	3.96	101	2011662	9.774 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1559521	10.001 ppbv	99
13) Ethanol	3.62	45	90343m	10.820 ppbv	
14) Bromoethene	3.75	108	674791	9.842 ppbv	98
15) Acetone	3.86	43	1143364	8.819 ppbv	100
16) 1,3-Butadiene	3.34	39	934067	9.902 ppbv	98
17) tert-Butyl alcohol	4.29	59	1243893	9.316 ppbv	100
18) 1,1-Dichloroethene	4.30	96	701715	9.902 ppbv	99
19) Isopropyl Alcohol	3.98	45	759942	9.422 ppbv	# 98
20) Methylene Chloride	4.35	84	582053	8.886 ppbv	95
21) Allyl Chloride	4.42	41	1116126	9.718 ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	743329	10.433 ppbv	98
23) Vinyl Acetate	5.09	43	1874058	9.646 ppbv	# 98
24) 1,1-Dichloroethane	5.02	63	1459161	10.317 ppbv	99
25) Ethyl Acetate	5.69	43	3678362	10.111 ppbv	99
26) Hexane	5.70	57	1730136	9.658 ppbv	98
27) Carbon Disulfide	4.56	76	1770364	11.151 ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1373527	9.209 ppbv	99
29) Chloroform	5.76	83	2451723	9.575 ppbv	96
30) Cyclohexane	7.14	84	1471843	9.689 ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1594487	9.805 ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	2314207	9.533 ppbv	100
34) 2-Butanone	5.25	43	1639912	9.639 ppbv	100
35) Carbon Tetrachloride	7.03	117	2395214	10.008 ppbv	99
36) Benzene	6.90	78	3590158	9.974 ppbv	99
37) 1,2-Dichloroethane	6.32	62	1689828	9.970 ppbv	100
38) Trichloroethene	7.85	130	1419443	9.982 ppbv	97
39) 1,2-Dichloropropane	7.63	63	1375846	10.162 ppbv	99
40) 1,4-Dioxane	7.84	88	345339	10.193 ppbv	# 100
41) Tetrahydrofuran	6.06	42	845633	10.150 ppbv	97
42) Bromodichloromethane	7.80	83	2548431	10.236 ppbv	96
43) Methyl Methacrylate	8.02	69	1254994	10.674 ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	6056084	10.014	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	951614	11.763	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1309536	11.679	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1436126	9.757	ppbv	98
48) Dibromochloromethane	10.31	129	2223605	10.597	ppbv	98
49) Bromoform	13.05	173	1843095	11.480	ppbv	97
50) 4-Methyl-2-Pentanone	8.75	43	2394977	10.814	ppbv	100
51) 2-Hexanone	10.14	43	1088317	11.007	ppbv #	99
52) Tetrachloroethene	11.23	164	1291700m	9.224	ppbv	
53) Toluene	9.82	91	4124127	10.338	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1981492	9.966	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	1583279	10.436	ppbv	97
57) Chlorobenzene	12.16	112	3024787	10.061	ppbv	98
58) Ethyl Benzene	12.72	91	5270104	10.709	ppbv	99
59) m/p-Xylene	13.00	91	8888520m	21.041	ppbv	
60) o-Xylene	13.70	91	4090596	10.104	ppbv	99
61) Styrene	13.54	104	2277295	11.629	ppbv	99
62) Isopropylbenzene	14.67	105	5817586	10.302	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3070396	9.828	ppbv	100
64) n-propylbenzene	15.57	120	1543257	10.959	ppbv	97
65) tert-Butylbenzene	16.75	119	5067159	10.197	ppbv	99
66) Benzyl Chloride	16.99	91	265019	10.806	ppbv #	99
67) sec-Butylbenzene	17.30	105	7082052	10.421	ppbv	100
69) p-Isopropyltoluene	17.66	119	5832078	10.614	ppbv	100
70) n-Butylbenzene	18.55	91	5629799	10.786	ppbv	100
71) 2-Chlorotoluene	15.46	91	4174726	10.469	ppbv	100
72) 4-Ethyltoluene	15.84	105	5029140	10.940	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4446439	10.649	ppbv	93
74) 1,2,4-Trimethylbenzene	16.77	105	4634036	10.568	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	2844941	10.472	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2716631	10.483	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	2736146	10.485	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1876597	8.807	ppbv	100
79) Naphthalene	22.20	128	2928314	10.904	ppbv	100
80) Naphthalene, 2-methyl-	24.97	142	606878	8.416	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	1773300	10.325	ppbv	97

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

