

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
 Data File : VL037727.D
 Acq On : 29 Sep 2021 11:02
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/30/2021
 Supervised By : Amit Patel 10/01/2021

Quant Time: Sep 29 22:35:32 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621A

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Thu Sep 16 13:42:46 2021

Response via : Initial Calibration

9/30/2021 9:32:14 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1327396	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4019490	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	3493205m	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2541388	10.07	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.70%	apater

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	3.05	85	1800542	7.496 ppbv	99
3) Chlorodifluoromethane	2.99	51	2605278	10.403 ppbv	98
4) Chloromethane	3.14	50	984146	10.639 ppbv	100
5) Vinyl Chloride	3.26	62	1005387	11.571 ppbv	99
6) Bromomethane	3.48	94	549012	10.871 ppbv	92
7) Chloroethane	3.56	64	345279	10.633 ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	2233178	10.777 ppbv	99
9) Propene	3.01	41	1030402	11.667 ppbv	93
10) Heptane	8.12	43	2422547	11.755 ppbv	99
11) Trichlorofluoromethane	3.95	101	1987218	10.305 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1537969	10.805 ppbv	97
13) Ethanol	3.62	45	89534m	10.364 ppbv	
14) Bromoethene	3.74	108	677088	10.450 ppbv	98
15) Acetone	3.85	43	1218912	8.838 ppbv	99
16) 1,3-Butadiene	3.33	39	987145	11.455 ppbv	98
17) tert-Butyl alcohol	4.29	59	1355803	11.593 ppbv	99
18) 1,1-Dichloroethene	4.29	96	699288	10.546 ppbv	93
19) Isopropyl Alcohol	3.97	45	775268	10.331 ppbv	99
20) Methylene Chloride	4.35	84	594486	9.029 ppbv	98
21) Allyl Chloride	4.41	41	1190478	11.554 ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	736378	11.037 ppbv	99
23) Vinyl Acetate	5.07	43	2285569	11.976 ppbv	97
24) 1,1-Dichloroethane	5.01	63	1432891	10.481 ppbv	99
25) Ethyl Acetate	5.68	43	3718185	11.131 ppbv	100
26) Hexane	5.69	57	1775418	11.189 ppbv	99
27) Carbon Disulfide	4.55	76	1670764	11.510 ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1581299	11.315 ppbv	100
29) Chloroform	5.75	83	2369226	10.226 ppbv	98
30) Cyclohexane	7.13	84	1460588	10.763 ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1632896	11.336 ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2252794	10.444 ppbv	99
34) 2-Butanone	5.24	43	1705053	10.439 ppbv	100
35) Carbon Tetrachloride	7.02	117	2304394	10.135 ppbv	98
36) Benzene	6.89	78	3607963	10.765 ppbv	98
37) 1,2-Dichloroethane	6.31	62	1669012	10.125 ppbv	100
38) Trichloroethene	7.83	130	1408137	10.057 ppbv	98
39) 1,2-Dichloropropane	7.61	63	1387641	10.809 ppbv	98
40) 1,4-Dioxane	7.83	88	317873	10.179 ppbv	65
41) Tetrahydrofuran	6.05	42	894262	11.646 ppbv	100
42) Bromodichloromethane	7.79	83	2501223	10.587 ppbv	99
43) Methyl Methacrylate	8.01	69	1320943	11.847 ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	6090091	10.808	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1113115	12.709	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1509577	12.760	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1403577	9.884	ppbv	97
48) Dibromochloromethane	10.30	129	2127451	10.739	ppbv	98
49) Bromoform	13.04	173	1660208	10.471	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2420863	11.677	ppbv	99
51) 2-Hexanone	10.13	43	1111166	12.147	ppbv #	98
52) Tetrachloroethene	11.22	164	1314819	10.218	ppbv	96
53) Toluene	9.81	91	4162423	11.173	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1999564	10.283	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1474595	10.177	ppbv #	90
57) Chlorobenzene	12.15	112	2880707	9.919	ppbv	97
58) Ethyl Benzene	12.71	91	5139157	11.083	ppbv	97
59) m/p-Xylene	12.99	91	8439972m	20.886	ppbv	
60) o-Xylene	13.69	91	3931099	10.221	ppbv	98
61) Styrene	13.53	104	2221749	11.715	ppbv	98
62) Isopropylbenzene	14.66	105	5477708	10.195	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2749631	9.135	ppbv	100
64) n-propylbenzene	15.56	120	1434774	10.348	ppbv	83
65) tert-Butylbenzene	16.74	119	4828474	9.967	ppbv	100
66) Benzyl Chloride	16.98	91	285108	10.769	ppbv	97
67) sec-Butylbenzene	17.29	105	6708732	10.207	ppbv	100
69) p-Isopropyltoluene	17.65	119	5626703	10.479	ppbv	100
70) n-Butylbenzene	18.54	91	5503953	10.833	ppbv	99
71) 2-Chlorotoluene	15.45	91	3983912	10.346	ppbv	98
72) 4-Ethyltoluene	15.83	105	4818205	10.913	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4279297	10.398	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4377214	10.098	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	2729433	10.135	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2571936	9.683	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	2585250	10.121	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	2130688	9.911	ppbv	100
79) Naphthalene	22.18	128	3741267	14.057	ppbv	98
80) Naphthalene,2-methyl-	24.97	142	990040	16.275	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	2162952	12.658	ppbv	99

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

