

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092821\
 Data File : VL037699.D
 Acq On : 28 Sep 2021 11:34
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/29/2021
 Supervised By : Amit Patel 10/01/2021

Quant Time: Sep 29 03:46:19 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1451812	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	4425223	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	4145012m	10.00	ppbv	0.03

9/29/2021 10:33:20 AM
 Supervised By : apatel 10/1/2021 10:11:08 AM

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2997495	10.01	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	1855926	7.064	ppbv	97
3) Chlorodifluoromethane	3.00	51	2614395	9.547	ppbv	99
4) Chloromethane	3.15	50	992525	9.810	ppbv	99
5) Vinyl Chloride	3.27	62	983313	10.347	ppbv	97
6) Bromomethane	3.48	94	506198	9.164	ppbv	94
7) Chloroethane	3.57	64	346652	9.760	ppbv	97
8) Dichlorotetrafluoroethane	3.20	85	2229477	9.838	ppbv	99
9) Propene	3.02	41	982046	10.166	ppbv	96
10) Heptane	8.13	43	2445476	10.850	ppbv	100
11) Trichlorofluoromethane	3.96	101	2078959	9.857	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1543998	9.917	ppbv	99
13) Ethanol	3.62	45	86364m	9.141	ppbv	
14) Bromoethene	3.75	108	692731	9.775	ppbv	98
15) Acetone	3.86	43	1187430	7.872	ppbv	96
16) 1,3-Butadiene	3.34	39	986861	10.470	ppbv	98
17) tert-Butyl alcohol	4.29	59	1374123	10.743	ppbv	100
18) 1,1-Dichloroethene	4.29	96	703760	9.704	ppbv	98
19) Isopropyl Alcohol	3.97	45	823438	10.033	ppbv #	96
20) Methylene Chloride	4.35	84	621889	8.636	ppbv	99
21) Allyl Chloride	4.42	41	1146227	10.172	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	716653	9.821	ppbv	97
23) Vinyl Acetate	5.08	43	2268425	10.868	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1426398	9.539	ppbv	99
25) Ethyl Acetate	5.68	43	3780226	10.347	ppbv	98
26) Hexane	5.69	57	1808090	10.419	ppbv	99
27) Carbon Disulfide	4.56	76	1700582	10.712	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1740660	11.388	ppbv	99
29) Chloroform	5.76	83	2458452	9.701	ppbv	100
30) Cyclohexane	7.14	84	1519445	10.237	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1693779	10.751	ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	2334943	9.897	ppbv	99
34) 2-Butanone	5.25	43	1663004	9.248	ppbv	98
35) Carbon Tetrachloride	7.03	117	2427986	9.699	ppbv	98
36) Benzene	6.90	78	3719726	10.080	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1752802	9.658	ppbv	100
38) Trichloroethene	7.85	130	1443258	9.363	ppbv	99
39) 1,2-Dichloropropane	7.62	63	1410863	9.982	ppbv	98
40) 1,4-Dioxane	7.85	88	350286m	10.189	ppbv	
41) Tetrahydrofuran	6.06	42	874243	10.341	ppbv	99
42) Bromodichloromethane	7.80	83	2626100	10.096	ppbv	96
43) Methyl Methacrylate	8.02	69	1332361	10.853	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	6134643	9.889	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	989859	10.265	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1345240	10.328	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1482152	9.480	ppbv	98
48) Dibromochloromethane	10.31	129	2302064	10.555	ppbv	99
49) Bromoform	13.05	173	1869372	10.709	ppbv	97
50) 4-Methyl-2-Pentanone	8.75	43	2482445	10.876	ppbv	99
51) 2-Hexanone	10.15	43	1195962	11.876	ppbv	99
52) Tetrachloroethene	11.23	164	1383092	9.763	ppbv	96
53) Toluene	9.82	91	4291578	10.463	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2078637	9.710	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	1577623	9.176	ppbv	96
57) Chlorobenzene	12.16	112	3056315	8.869	ppbv	100
58) Ethyl Benzene	12.72	91	5444123	9.894	ppbv	99
59) m/p-Xylene	13.01	91	8947380m	18.660	ppbv	
60) o-Xylene	13.70	91	4227281	9.263	ppbv	99
61) Styrene	13.54	104	2382901	10.589	ppbv	99
62) Isopropylbenzene	14.67	105	5878360	9.220	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3002852	8.407	ppbv	99
64) n-propylbenzene	15.57	120	1577114	9.586	ppbv	89
65) tert-Butylbenzene	16.75	119	5146671	8.953	ppbv	99
66) Benzyl Chloride	17.00	91	280584	8.932	ppbv	98
67) sec-Butylbenzene	17.30	105	7144101	9.160	ppbv	100
69) p-Isopropyltoluene	17.66	119	5971795	9.372	ppbv	100
70) n-Butylbenzene	18.55	91	5802535	9.625	ppbv	100
71) 2-Chlorotoluene	15.46	91	4300694	9.413	ppbv	99
72) 4-Ethyltoluene	15.85	105	5021974	9.586	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4525756	9.268	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	4690271	9.119	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	2882397	9.020	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2793425	8.863	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2747594	9.065	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	2041902	8.004	ppbv	99
79) Naphthalene	22.20	128	3427947	10.854	ppbv	98
80) Naphthalene,2-methyl-	24.97	142	957615	13.266	ppbv	99
81) 1,2,4-Trichlorobenzene	21.93	180	2099556	10.355	ppbv	98

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

