

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL092921\
 Data File : VL037729.D
 Acq On : 29 Sep 2021 12:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda

10/1/2021 11:06:24 AM

Quant Time: Sep 29 23:01:29 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 1

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	1307694	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	3924644	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	3377948m	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2592336	10.62	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.20%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.05	85	1928833	8.151	ppbv	100
3) Chlorodifluoromethane	2.99	51	2498413	10.129	ppbv	99
4) Chloromethane	3.14	50	958699	10.520	ppbv	97
5) Vinyl Chloride	3.26	62	916537	10.707	ppbv	98
6) Bromomethane	3.47	94	487961	9.808	ppbv	97
7) Chloroethane	3.56	64	323074	10.099	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	2149549	10.530	ppbv	99
9) Propene	3.02	41	950282	10.922	ppbv	93
10) Heptane	8.12	43	2291303	11.286	ppbv	100
11) Trichlorofluoromethane	3.95	101	1954320	10.287	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1432269	10.214	ppbv	100
13) Ethanol	3.62	45	84994	9.987	ppbv	97
14) Bromoethene	3.75	108	672345	10.533	ppbv	98
15) Acetone	3.85	43	1100174	8.097	ppbv	97
16) 1,3-Butadiene	3.33	39	923976	10.883	ppbv	99
17) tert-Butyl alcohol	4.29	59	1349180	11.710	ppbv	97
18) 1,1-Dichloroethene	4.29	96	673781	10.314	ppbv	97
19) Isopropyl Alcohol	3.96	45	787180	10.648	ppbv #	97
20) Methylene Chloride	4.34	84	589739	9.092	ppbv	97
21) Allyl Chloride	4.42	41	1091271	10.751	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	675438	10.277	ppbv	97
23) Vinyl Acetate	5.07	43	1976698	10.514	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1381460	10.257	ppbv	98
25) Ethyl Acetate	5.68	43	3626855	11.022	ppbv	98
26) Hexane	5.69	57	1700676	10.880	ppbv	99
27) Carbon Disulfide	4.55	76	1611823	11.271	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1456705	10.580	ppbv	99
29) Chloroform	5.75	83	2316121	10.147	ppbv	97
30) Cyclohexane	7.13	84	1428898	10.688	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1582341	11.150	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	2224734	10.469	ppbv	99
34) 2-Butanone	5.25	43	1580514	9.910	ppbv	99
35) Carbon Tetrachloride	7.02	117	2295126	10.338	ppbv	100
36) Benzene	6.89	78	3526008	10.774	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1658580	10.305	ppbv	100
38) Trichloroethene	7.83	130	1359348	9.944	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1366273	10.900	ppbv	97
40) 1,4-Dioxane	7.83	88	327914	10.755	ppbv #	1
41) Tetrahydrofuran	6.05	42	841802	11.228	ppbv	99
42) Bromodichloromethane	7.79	83	2456393	10.648	ppbv	97
43) Methyl Methacrylate	8.01	69	1280238	11.759	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5895084	10.715	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	972741	11.375	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1295584	11.215	ppbv	100
47) 1,1,2-Trichloroethane	9.47	97	1401001	10.104	ppbv	99
48) Dibromochloromethane	10.30	129	2178377	11.261	ppbv	98
49) Bromoform	13.03	173	1750224	11.305	ppbv	96
50) 4-Methyl-2-Pentanone	8.74	43	2347637	11.597	ppbv	100
51) 2-Hexanone	10.14	43	1128314	12.633	ppbv #	99
52) Tetrachloroethene	11.22	164	1291876	10.283	ppbv	98
53) Toluene	9.81	91	4073600	11.198	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1970436	10.378	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1487485	10.616	ppbv #	92
57) Chlorobenzene	12.15	112	2865379	10.203	ppbv	98
58) Ethyl Benzene	12.71	91	5123584	11.426	ppbv	98
59) m/p-Xylene	12.99	91	8480517m	21.703	ppbv	
60) o-Xylene	13.69	91	3890258	10.460	ppbv	97
61) Styrene	13.53	104	2206324	12.030	ppbv	97
62) Isopropylbenzene	14.66	105	5590854	10.760	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2867006	9.850	ppbv	100
64) n-propylbenzene	15.56	120	1486222	11.085	ppbv	86
65) tert-Butylbenzene	16.74	119	4914581	10.491	ppbv	100
66) Benzyl Chloride	16.99	91	267855	10.463	ppbv	98
67) sec-Butylbenzene	17.29	105	6856345	10.788	ppbv	99
69) p-Isopropyltoluene	17.65	119	5737322	11.049	ppbv	99
70) n-Butylbenzene	18.55	91	5524088	11.244	ppbv	100
71) 2-Chlorotoluene	15.45	91	4056061	10.893	ppbv	98
72) 4-Ethyltoluene	15.84	105	4939536	11.570	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	4386753	11.023	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	4454807	10.628	ppbv	97
75) 1,3-Dichlorobenzene	16.99	146	2746358	10.546	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2655731	10.339	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2630254	10.649	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1978068	9.515	ppbv	99
79) Naphthalene	22.19	128	3302188	12.831	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	906352	15.407	ppbv	93
81) 1,2,4-Trichlorobenzene	21.92	180	1987478	12.028	ppbv	99

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

