

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060821\
 Data File : VL037126.D
 Acq On : 8 Jun 2021 9:34
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 6/9/2021 4:22:45 PM

Quant Time: Jun 09 01:28:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1433209	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	4385143	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	4185887m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3197845	10.17	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1881609	7.739	ppbv	98
3) Chlorodifluoromethane	2.99	51	2756859	10.500	ppbv	97
4) Chloromethane	3.14	50	938686	10.506	ppbv	100
5) Vinyl Chloride	3.25	62	1029287	10.539	ppbv	99
6) Bromomethane	3.47	94	585018	11.368	ppbv	98
7) Chloroethane	3.56	64	375197	11.832	ppbv	96
8) Dichlorotetrafluoroethane	3.19	85	2508981	10.991	ppbv	98
9) Propene	3.01	41	902011	9.594	ppbv	100
10) Heptane	8.12	43	2273609	9.703	ppbv	99
11) Trichlorofluoromethane	3.95	101	2736581	12.160	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1974808	12.319	ppbv	96
13) Ethanol	3.61	45	131232m	10.461	ppbv	
14) Bromoethene	3.74	108	768121	10.879	ppbv	92
15) Acetone	3.85	43	1372670	9.351	ppbv	96
16) 1,3-Butadiene	3.32	39	975292	10.694	ppbv	100
17) tert-Butyl alcohol	4.29	59	1535216	11.417	ppbv	100
18) 1,1-Dichloroethene	4.29	96	870014	11.737	ppbv	98
19) Isopropyl Alcohol	3.97	45	885788	11.225	ppbv #	35
20) Methylene Chloride	4.34	84	721518	9.169	ppbv	99
21) Allyl Chloride	4.41	41	1224370	11.056	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	901033	12.683	ppbv	98
23) Vinyl Acetate	5.07	43	2159572	9.268	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1777354	10.597	ppbv	99
25) Ethyl Acetate	5.67	43	3564800	10.106	ppbv	100
26) Hexane	5.68	57	1683016	9.339	ppbv	95
27) Carbon Disulfide	4.55	76	2026370	11.157	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1950577	9.030	ppbv	99
29) Chloroform	5.75	83	2795087	10.979	ppbv	97
30) Cyclohexane	7.12	84	1531716	10.002	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1708166	10.572	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2948237	10.784	ppbv	99
34) 2-Butanone	5.24	43	1635636	10.244	ppbv	99
35) Carbon Tetrachloride	7.02	117	3133660	10.755	ppbv	100
36) Benzene	6.89	78	3604261	9.542	ppbv	98
37) 1,2-Dichloroethane	6.30	62	2114312	11.290	ppbv	99
38) Trichloroethene	7.83	130	1555717	9.628	ppbv	98
39) 1,2-Dichloropropane	7.61	63	1374884	9.449	ppbv	95
40) 1,4-Dioxane	7.83	88	356949	10.390	ppbv #	100
41) Tetrahydrofuran	6.05	42	858875	9.444	ppbv	100
42) Bromodichloromethane	7.79	83	3002546	10.598	ppbv	98
43) Methyl Methacrylate	8.01	69	1310506	10.066	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5948981	9.180	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1045413	10.511	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1377407	10.296	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1543836	10.138	ppbv	99
48) Dibromochloromethane	10.30	129	2756380	11.178	ppbv	100
49) Bromoform	13.04	173	2299562	11.292	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2554251	9.694	ppbv	100
51) 2-Hexanone	10.13	43	1360941	9.770	ppbv #	96
52) Tetrachloroethene	11.22	164	1509057	10.047	ppbv	97
53) Toluene	9.80	91	4348357	9.675	ppbv	98
54) 1,2-Dibromoethane	10.61	107	2296542	10.607	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1896749	10.769	ppbv #	58
57) Chlorobenzene	12.14	112	3277204	10.097	ppbv	99
58) Ethyl Benzene	12.70	91	5794362	9.808	ppbv	100
59) m/p-Xylene	12.99	91	9763165m	19.992	ppbv	
60) o-Xylene	13.69	91	4658605	10.002	ppbv	99
61) Styrene	13.52	104	2707443	10.318	ppbv	97
62) Isopropylbenzene	14.66	105	6554234	9.792	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	3158714	9.081	ppbv	98
64) n-propylbenzene	15.56	120	1801934	10.434	ppbv	99
65) tert-Butylbenzene	16.74	119	6056088	10.027	ppbv	99
66) Benzyl Chloride	16.98	91	294554	8.789	ppbv	97
67) sec-Butylbenzene	17.29	105	8135800	9.874	ppbv	99
69) p-Isopropyltoluene	17.65	119	7228054	10.203	ppbv	99
70) n-Butylbenzene	18.55	91	6991615	10.389	ppbv	99
71) 2-Chlorotoluene	15.45	91	4840374	10.012	ppbv	99
72) 4-Ethyltoluene	15.83	105	5858039	10.597	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	5320868	10.250	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	5564721	10.368	ppbv	99
75) 1,3-Dichlorobenzene	16.99	146	3463877	10.568	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	3339056	10.076	ppbv	100
77) 1,2-Dichlorobenzene	17.81	146	3378028	10.286	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	2444904	9.258	ppbv	100
79) Naphthalene	22.19	128	4931460	11.710	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	1268080	13.847	ppbv	92
81) 1,2,4-Trichlorobenzene	21.92	180	2778319	10.822	ppbv	98

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

