

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022521\
 Data File : VL036377.D
 Acq On : 25 Feb 2021 10:02
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:01:52 AM

Quant Time: Feb 26 00:49:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1550662	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	3566299	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	3306829m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2815015	10.35	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1987996	8.590	ppbv	98
3) Chlorodifluoromethane	2.98	51	1852528	9.615	ppbv	99
4) Chloromethane	3.13	50	946794	10.172	ppbv	100
5) Vinyl Chloride	3.25	62	923298	10.652	ppbv	100
6) Bromomethane	3.46	94	530909	10.305	ppbv	98
7) Chloroethane	3.55	64	322740	10.487	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2112886	10.038	ppbv	99
9) Propene	3.01	41	836780	11.649	ppbv	98
10) Heptane	8.12	43	2192422	10.356	ppbv	100
11) Trichlorofluoromethane	3.94	101	2245751	9.910	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1371441	9.770	ppbv	97
13) Ethanol	3.60	45	133050	9.861	ppbv	94
14) Bromoethene	3.73	108	633755	10.787	ppbv	96
15) Acetone	3.84	43	1774217	9.360	ppbv	99
16) 1,3-Butadiene	3.32	39	865268	9.546	ppbv	96
17) tert-Butyl alcohol	4.29	59	1702732	11.572	ppbv	100
18) 1,1-Dichloroethene	4.28	96	623902	9.780	ppbv	99
19) Isopropyl Alcohol	3.97	45	1137554	10.832	ppbv	99
20) Methylene Chloride	4.34	84	549848	8.991	ppbv	95
21) Allyl Chloride	4.40	41	1081497	10.248	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	612945	10.577	ppbv	97
23) Vinyl Acetate	5.07	43	2297555	10.309	ppbv	97
24) 1,1-Dichloroethane	5.01	63	1701476	10.323	ppbv	99
25) Ethyl Acetate	5.67	43	3735258	10.208	ppbv	100
26) Hexane	5.68	57	1504365	10.006	ppbv	99
27) Carbon Disulfide	4.55	76	1583275	11.458	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	2124053	10.814	ppbv	99
29) Chloroform	5.75	83	2385943	9.850	ppbv	100
30) Cyclohexane	7.12	84	1246171	9.966	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1532729	10.303	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	2351581	10.384	ppbv	98
34) 2-Butanone	5.24	43	2345599	9.899	ppbv	99
35) Carbon Tetrachloride	7.01	117	2368960	9.911	ppbv	98
36) Benzene	6.89	78	3161228	10.435	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1854883	9.903	ppbv	99
38) Trichloroethene	7.83	130	1076913	9.923	ppbv	96
39) 1,2-Dichloropropane	7.61	63	1243131	10.102	ppbv	97
40) 1,4-Dioxane	7.82	88	433450	10.166	ppbv #	1
41) Tetrahydrofuran	6.05	42	1418551	10.728	ppbv	99
42) Bromodichloromethane	7.79	83	2600893	10.368	ppbv	100
43) Methyl Methacrylate	8.01	69	1371684	10.736	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5402890	9.808	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1509582	12.248	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1807257	11.544	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1260306	10.007	ppbv	98
48) Dibromochloromethane	10.30	129	2060115	10.962	ppbv	99
49) Bromoform	13.04	173	1722354	11.337	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	3596769	10.225	ppbv	99
51) 2-Hexanone	10.13	43	2928292	10.956	ppbv	100
52) Tetrachloroethene	11.22	164	1015646	9.158	ppbv	96
53) Toluene	9.80	91	3500339	10.667	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1841988	10.121	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1551336	10.199	ppbv #	59
57) Chlorobenzene	12.14	112	2491464	9.752	ppbv	99
58) Ethyl Benzene	12.71	91	4743207	10.475	ppbv	99
59) m/p-Xylene	12.99	91	7979022m	20.061	ppbv	
60) o-Xylene	13.69	91	3761355	9.891	ppbv	100
61) Styrene	13.52	104	2702039	11.465	ppbv	98
62) Isopropylbenzene	14.67	105	5572324	9.776	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2726734	9.087	ppbv	99
64) n-propylbenzene	15.56	120	1457177	10.387	ppbv	98
65) tert-Butylbenzene	16.74	119	4776265	9.793	ppbv	98
66) Benzyl Chloride	16.99	91	1779628	13.422	ppbv	99
67) sec-Butylbenzene	17.29	105	6822558	9.700	ppbv	99
69) p-Isopropyltoluene	17.65	119	5600007	10.303	ppbv	99
70) n-Butylbenzene	18.55	91	5902655	10.126	ppbv	100
71) 2-Chlorotoluene	15.45	91	4393327	10.054	ppbv	97
72) 4-Ethyltoluene	15.83	105	4333507	10.240	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4053789	9.881	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4140925	9.887	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	2284837	10.051	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2224217	9.422	ppbv	96
77) 1,2-Dichlorobenzene	17.81	146	2237898	9.923	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1588463	8.621	ppbv	99
79) Naphthalene	22.19	128	3001892	12.091	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	838130	18.233	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	1599704m	10.561	ppbv	

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

