

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061421\
 Data File : VL037145.D
 Acq On : 14 Jun 2021 11:48
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 6/15/2021 5:17:04 PM

Quant Time: Jun 14 14:06:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.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	5.67	49	1603845	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4731446	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	4426505m	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3375887	10.15	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2329766	8.563	ppbv	100
3) Chlorodifluoromethane	2.99	51	2890198	9.836	ppbv	96
4) Chloromethane	3.14	50	1008957	10.091	ppbv	97
5) Vinyl Chloride	3.26	62	1086616	9.942	ppbv	98
6) Bromomethane	3.48	94	642905	11.164	ppbv	100
7) Chloroethane	3.56	64	394462	11.116	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	2644042	10.350	ppbv	96
9) Propene	3.01	41	955731	9.084	ppbv	100
10) Heptane	8.13	43	2420969	9.233	ppbv	99
11) Trichlorofluoromethane	3.95	101	2853421	11.330	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1935468	10.789	ppbv	96
13) Ethanol	3.62	45	126308	8.997	ppbv	96
14) Bromoethene	3.74	108	867762	10.982	ppbv	100
15) Acetone	3.86	43	1459232	8.883	ppbv	98
16) 1,3-Butadiene	3.33	39	1061176	10.397	ppbv	98
17) tert-Butyl alcohol	4.30	59	1838053	12.215	ppbv	99
18) 1,1-Dichloroethene	4.29	96	894631	10.785	ppbv	94
19) Isopropyl Alcohol	3.97	45	1099653	12.453	ppbv #	33
20) Methylene Chloride	4.35	84	727853	8.266	ppbv	96
21) Allyl Chloride	4.42	41	1309719	10.568	ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	914127	11.499	ppbv	96
23) Vinyl Acetate	5.08	43	2710032	10.393	ppbv	97
24) 1,1-Dichloroethane	5.02	63	2014433	10.733	ppbv	99
25) Ethyl Acetate	5.69	43	3750010	9.500	ppbv	99
26) Hexane	5.69	57	1809081	8.971	ppbv	97
27) Carbon Disulfide	4.56	76	2129234	10.476	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	2378876	9.841	ppbv	100
29) Chloroform	5.76	83	2970016	10.425	ppbv	98
30) Cyclohexane	7.14	84	1639553	9.567	ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	1829907	10.121	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	3084719	10.083	ppbv	99
34) 2-Butanone	5.25	43	1807841	10.493	ppbv	99
35) Carbon Tetrachloride	7.03	117	3304042	10.510	ppbv	99
36) Benzene	6.90	78	3830056	9.398	ppbv	98
37) 1,2-Dichloroethane	6.32	62	2234143	11.057	ppbv	99
38) Trichloroethene	7.85	130	1625333	9.323	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1464050	9.325	ppbv	96
40) 1,4-Dioxane	7.84	88	412751	11.134	ppbv #	100
41) Tetrahydrofuran	6.06	42	909042	9.264	ppbv	99
42) Bromodichloromethane	7.80	83	3206975	10.491	ppbv	100
43) Methyl Methacrylate	8.02	69	1424283	10.140	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061421\
 Data File : VL037145.D
 Acq On : 14 Jun 2021 11:48
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 6/15/2021 5:17:04 PM

Quant Time: Jun 14 14:06:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.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)
44) 2,2,4-Trimethylpentane	7.88	57	6217148	8.892	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1439364	13.412	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1775597	12.301	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1634298	9.946	ppbv	99
48) Dibromochloromethane	10.32	129	2964242	11.141	ppbv	100
49) Bromoform	13.05	173	2489305	11.329	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2745668	9.658	ppbv	99
51) 2-Hexanone	10.15	43	1440741	9.586	ppbv #	98
52) Tetrachloroethene	11.23	164	1602582	9.889	ppbv	97
53) Toluene	9.82	91	4616566	9.520	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2487999	10.650	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	2001881	10.748	ppbv #	58
57) Chlorobenzene	12.16	112	3535545	10.301	ppbv	99
58) Ethyl Benzene	12.72	91	6128664	9.810	ppbv	97
59) m/p-Xylene	13.01	91	10315321m	19.975	ppbv	
60) o-Xylene	13.70	91	4927411	10.004	ppbv	99
61) Styrene	13.54	104	2896457	10.439	ppbv	98
62) Isopropylbenzene	14.68	105	6878649	9.718	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	3339575	9.079	ppbv	99
64) n-propylbenzene	15.57	120	1873106	10.256	ppbv	99
65) tert-Butylbenzene	16.76	119	6246771	9.780	ppbv	99
66) Benzyl Chloride	17.00	91	340953	9.621	ppbv	100
67) sec-Butylbenzene	17.31	105	8308559	9.535	ppbv	99
69) p-Isopropyltoluene	17.66	119	7224678	9.643	ppbv	99
70) n-Butylbenzene	18.56	91	6840390	9.611	ppbv	99
71) 2-Chlorotoluene	15.46	91	5057414	9.892	ppbv	99
72) 4-Ethyltoluene	15.85	105	5928708	10.142	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	5409481	9.854	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	5617416	9.897	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	3528800	10.181	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	3494775	9.973	ppbv	97
77) 1,2-Dichlorobenzene	17.83	146	3400358	9.791	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	2191323	7.847	ppbv	100
79) Naphthalene	22.21	128	4380274	9.836	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	1377685	14.226	ppbv	96
81) 1,2,4-Trichlorobenzene	21.94	180	2495419	9.192	ppbv	98

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

