

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121621\
 Data File : VL038184.D
 Acq On : 16 Dec 2021 11:10
 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 :Amit Patel 12/20/2021
 Supervised By :Mahesh Dadoda 12/20/2021

Quant Time: Dec 17 05:18:57 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1071535	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2880032	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2727112	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2107556	10.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1466968	8.288	ppbv 99
3) Chlorodifluoromethane	2.99	51	1943682	8.638	ppbv 98
4) Chloromethane	3.14	50	670375	8.751	ppbv 100
5) Vinyl Chloride	3.26	62	667611	8.884	ppbv 99
6) Bromomethane	3.47	94	360843	8.963	ppbv 97
7) Chloroethane	3.56	64	226695	8.500	ppbv 97
8) Dichlorotetrafluoroethane	3.19	85	1579503	8.971	ppbv 93
9) Propene	3.01	41	676107	8.158	ppbv 99
10) Heptane	8.12	43	1659395	8.102	ppbv 99
11) Trichlorofluoromethane	3.95	101	1566044	9.303	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1113237	9.349	ppbv 96
13) Ethanol	3.61	45	64344m	8.034	ppbv
14) Bromoethene	3.74	108	484383	9.084	ppbv 96
15) Acetone	3.84	43	823193	8.861	ppbv 98
16) 1,3-Butadiene	3.33	39	626446	8.643	ppbv 97
17) tert-Butyl alcohol	4.28	59	950222	8.432	ppbv 100
18) 1,1-Dichloroethene	4.29	96	496597	9.091	ppbv 96
19) Isopropyl Alcohol	3.96	45	548034	8.164	ppbv 100
20) Methylene Chloride	4.34	84	423367	8.136	ppbv 98
21) Allyl Chloride	4.41	41	729283	8.480	ppbv 99
22) trans-1,2-Dichloroethene	4.88	96	510655	9.229	ppbv 96
23) Vinyl Acetate	5.07	43	1189101	8.842	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1016734	9.079	ppbv 100
25) Ethyl Acetate	5.67	43	2558031	8.285	ppbv 99
26) Hexane	5.68	57	1177119	7.909	ppbv 98
27) Carbon Disulfide	4.55	76	1224110	9.182	ppbv 100
28) Methyl tert-Butyl Ether	5.03	73	1067181	8.442	ppbv 99
29) Chloroform	5.75	83	1917288	8.741	ppbv 98
30) Cyclohexane	7.12	84	1016396	7.523	ppbv 92
31) cis-1,2-Dichloroethene	5.55	61	1194050	8.434	ppbv 93
32) 1,1,1-Trichloroethane	6.51	97	1842011	8.275	ppbv 97
34) 2-Butanone	5.24	43	1135114	9.775	ppbv 97
35) Carbon Tetrachloride	7.01	117	1932370	9.549	ppbv 97
36) Benzene	6.89	78	2515336	8.755	ppbv 97
37) 1,2-Dichloroethane	6.30	62	1462244	10.539	ppbv 96
38) Trichloroethene	7.83	130	905000	8.351	ppbv 95
39) 1,2-Dichloropropane	7.61	63	976488	8.861	ppbv 93
40) 1,4-Dioxane	7.83	88	242001	8.429	ppbv # 1
41) Tetrahydrofuran	6.04	42	643618	8.928	ppbv 96
42) Bromodichloromethane	7.78	83	2113579	10.020	ppbv 99
43) Methyl Methacrylate	8.01	69	947966	9.645	ppbv 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4166572	8.669	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	855623	10.853	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1078027	10.110	ppbv	94
47) 1,1,2-Trichloroethane	9.47	97	1005375	8.711	ppbv	96
48) Dibromochloromethane	10.30	129	1707442	9.714	ppbv	99
49) Bromoform	13.03	173	1289159	10.252	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	1800545	10.209	ppbv	96
51) 2-Hexanone	10.13	43	891329	10.742	ppbv #	94
52) Tetrachloroethene	11.22	164	824771	7.759	ppbv	98
53) Toluene	9.80	91	2838518	8.587	ppbv	98
54) 1,2-Dibromoethane	10.60	107	1480149	9.079	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1096929	8.860	ppbv	96
57) Chlorobenzene	12.14	112	2027471	8.295	ppbv	95
58) Ethyl Benzene	12.70	91	3755243	8.331	ppbv	96
59) m/p-Xylene	12.99	91	6399365m	16.866	ppbv	
60) o-Xylene	13.69	91	3002691	8.531	ppbv	94
61) Styrene	13.52	104	1582742	8.387	ppbv	94
62) Isopropylbenzene	14.66	105	3975069	7.956	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2184278	8.354	ppbv	100
64) n-propylbenzene	15.55	120	1046293	8.220	ppbv	90
65) tert-Butylbenzene	16.73	119	3501120	7.954	ppbv	96
66) Benzyl Chloride	16.98	91	202995	9.099	ppbv	94
67) sec-Butylbenzene	17.28	105	4928056	8.035	ppbv	100
69) p-Isopropyltoluene	17.64	119	4019361	8.377	ppbv	97
70) n-Butylbenzene	18.54	91	4219381	9.197	ppbv	98
71) 2-Chlorotoluene	15.45	91	3075401	8.419	ppbv	97
72) 4-Ethyltoluene	15.83	105	3507977	8.596	ppbv	97
73) 1,3,5-Trimethylbenzene	15.99	105	3103443	8.326	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	3244166	8.446	ppbv	96
75) 1,3-Dichlorobenzene	16.99	146	1837968	8.712	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	1783620	8.401	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	1756765	8.600	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1052658	8.253	ppbv	100
79) Naphthalene	22.18	128	2034547	10.058	ppbv	100
80) Naphthalene,2-methyl-	24.96	142	493549	11.385	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	1128389	9.708	ppbv	99

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

