

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012221\
 Data File : VL036261.D
 Acq On : 22 Jan 2021 9:42
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 1/26/2021 12:58:42 PM

Quant Time: Jan 24 00:04:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1379158	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.20	114	3172568	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.11	117	3027227	10.00	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2499657	9.98	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	1787999	9.672	ppbv	99
3) Chlorodifluoromethane	3.00	51	1794226	10.593	ppbv	98
4) Chloromethane	3.15	50	883534	10.554	ppbv	95
5) Vinyl Chloride	3.27	62	865908	10.931	ppbv	97
6) Bromomethane	3.49	94	492300	11.116	ppbv	97
7) Chloroethane	3.57	64	291529	10.686	ppbv	98
8) Dichlorotetrafluoroethane	3.20	85	1943898	10.853	ppbv	98
9) Propene	3.02	41	797634	9.889	ppbv	97
10) Heptane	8.14	43	2035387	10.166	ppbv	98
11) Trichlorofluoromethane	3.97	101	2029696	10.799	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1288545	11.308	ppbv	95
13) Ethanol	3.63	45	127348m	10.055	ppbv	
14) Bromoethene	3.75	108	554178	10.681	ppbv	98
15) Acetone	3.87	43	1644794	9.738	ppbv	97
16) 1,3-Butadiene	3.34	39	856079	10.404	ppbv	100
17) tert-Butyl alcohol	4.31	59	1563074	11.214	ppbv	100
18) 1,1-Dichloroethene	4.30	96	544507	10.307	ppbv	98
19) Isopropyl Alcohol	3.99	45	1115692	10.957	ppbv	99
20) Methylene Chloride	4.36	84	487968	9.052	ppbv	92
21) Allyl Chloride	4.43	41	996353	10.837	ppbv	96
22) trans-1,2-Dichloroethene	4.90	96	525283	10.762	ppbv	97
23) Vinyl Acetate	5.10	43	2317638	11.324	ppbv	99
24) 1,1-Dichloroethane	5.03	63	1599574	10.789	ppbv	99
25) Ethyl Acetate	5.70	43	3454916	10.188	ppbv	100
26) Hexane	5.71	57	1397264	9.897	ppbv	99
27) Carbon Disulfide	4.57	76	1378081	12.207	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1985629	10.399	ppbv	97
29) Chloroform	5.78	83	2224145	11.002	ppbv	95
30) Cyclohexane	7.15	84	1171230	10.856	ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	1462966	10.841	ppbv	96
32) 1,1,1-Trichloroethane	6.53	97	2176292	11.131	ppbv	99
34) 2-Butanone	5.27	43	2197407	9.405	ppbv	98
35) Carbon Tetrachloride	7.04	117	2177475	10.863	ppbv	98
36) Benzene	6.92	78	2918787	10.041	ppbv	98
37) 1,2-Dichloroethane	6.33	62	1862248	10.646	ppbv	99
38) Trichloroethene	7.86	130	954414	8.865	ppbv	98
39) 1,2-Dichloropropane	7.64	63	1185141	10.041	ppbv	97
40) 1,4-Dioxane	7.85	88	383326	8.978	ppbv #	1
41) Tetrahydrofuran	6.07	42	1284452	9.513	ppbv	99
42) Bromodichloromethane	7.82	83	2413987	10.980	ppbv	96
43) Methyl Methacrylate	8.04	69	1316117	10.654	ppbv	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5007670	9.379	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1431025	12.196	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1680834	11.147	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	1148045	10.168	ppbv	96
48) Dibromochloromethane	10.33	129	1861224	11.267	ppbv	99
49) Bromoform	13.07	173	1550201	11.242	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	3423042	9.826	ppbv	99
51) 2-Hexanone	10.16	43	2815699	10.245	ppbv	99
52) Tetrachloroethene	11.25	164	923427	8.620	ppbv	98
53) Toluene	9.83	91	3202975	9.850	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1709110	10.211	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1360097	10.068	ppbv #	92
57) Chlorobenzene	12.18	112	2269411	9.555	ppbv	98
58) Ethyl Benzene	12.74	91	4429079	9.859	ppbv	97
59) m/p-Xylene	13.02	91	7436638m	19.266	ppbv	
60) o-Xylene	13.72	91	3486721	9.371	ppbv	99
61) Styrene	13.56	104	2419011	10.296	ppbv	99
62) Isopropylbenzene	14.70	105	5110617	9.238	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2437994	8.800	ppbv	99
64) n-propylbenzene	15.59	120	1319207	9.706	ppbv	98
65) tert-Butylbenzene	16.77	119	4353073	9.286	ppbv	99
66) Benzyl Chloride	17.02	91	1569160	13.103	ppbv	99
67) sec-Butylbenzene	17.32	105	6325320	9.090	ppbv	100
69) p-Isopropyltoluene	17.68	119	5151867	9.336	ppbv	99
70) n-Butylbenzene	18.58	91	5575848	9.483	ppbv	100
71) 2-Chlorotoluene	15.48	91	4083466	9.391	ppbv	100
72) 4-Ethyltoluene	15.87	105	3960475	9.432	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	3770971	9.421	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	3830501	9.330	ppbv	96
75) 1,3-Dichlorobenzene	17.03	146	2059061	9.351	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	2018321	9.278	ppbv	100
77) 1,2-Dichlorobenzene	17.85	146	2056747	9.563	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1490967	8.667	ppbv	100
79) Naphthalene	22.24	128	2939607m	12.249	ppbv	
80) Naphthalene, 2-methyl-	25.00	142	979944	19.137	ppbv	95
81) 1,2,4-Trichlorobenzene	21.96	180	1435576	10.246	ppbv	98

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

