

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036133.D
 Acq On : 10 Dec 2020 17:43
 Operator : SY/AP
 Sample : VL1210ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1210ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/15/2020 7:23:13 PM

Quant Time: Dec 14 22:45:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1257470	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	2575266	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	2554479m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2140169	10.55	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1128240	7.699	ppbv	98
3) Chlorodifluoromethane	2.97	51	1503547	10.480	ppbv	98
4) Chloromethane	3.12	50	720005	10.222	ppbv	98
5) Vinyl Chloride	3.24	62	704902	8.995	ppbv	94
6) Bromomethane	3.46	94	390006	9.646	ppbv	95
7) Chloroethane	3.54	64	246453	9.232	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	1605513	9.858	ppbv	88
9) Propene	2.99	41	699777	9.737	ppbv	97
10) Heptane	8.11	43	1790064	9.752	ppbv	99
11) Trichlorofluoromethane	3.93	101	1716081	9.960	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1115151	9.530	ppbv	93
13) Ethanol	3.59	45	99678	10.061	ppbv	99
14) Bromoethene	3.72	108	470695	9.805	ppbv	95
15) Acetone	3.84	43	1374241	9.093	ppbv	96
16) 1,3-Butadiene	3.31	39	707770	9.298	ppbv	97
17) tert-Butyl alcohol	4.28	59	1164272	7.953	ppbv	99
18) 1,1-Dichloroethene	4.27	96	469022	9.028	ppbv	95
19) Isopropyl Alcohol	3.95	45	768416	8.319	ppbv #	100
20) Methylene Chloride	4.33	84	453465m	7.322	ppbv	
21) Allyl Chloride	4.39	41	932035m	9.275	ppbv	
22) trans-1,2-Dichloroethene	4.87	96	485656m	9.337	ppbv	
23) Vinyl Acetate	5.06	43	1966749	9.775	ppbv #	97
24) 1,1-Dichloroethane	5.00	63	1336998	9.448	ppbv	98
25) Ethyl Acetate	5.66	43	2917768	9.664	ppbv	100
26) Hexane	5.67	57	1198124	8.818	ppbv	99
27) Carbon Disulfide	4.53	76	1251296	9.266	ppbv	96
28) Methyl tert-Butyl Ether	5.02	73	1710762	8.856	ppbv	98
29) Chloroform	5.74	83	1833078	10.273	ppbv	98
30) Cyclohexane	7.11	84	956660	9.584	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1265513	10.245	ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	1818689	9.877	ppbv	97
34) 2-Butanone	5.23	43	1793611	10.500	ppbv	100
35) Carbon Tetrachloride	7.01	117	1762445	11.736	ppbv	99
36) Benzene	6.88	78	2419285	11.085	ppbv	96
37) 1,2-Dichloroethane	6.29	62	1566251	12.385	ppbv	98
38) Trichloroethene	7.82	130	753152	9.232	ppbv	90
39) 1,2-Dichloropropane	7.60	63	995886	11.555	ppbv	97
40) 1,4-Dioxane	7.82	88	283241	10.448	ppbv #	30
41) Tetrahydrofuran	6.03	42	1079838	10.641	ppbv	99
42) Bromodichloromethane	7.78	83	2061442	12.233	ppbv	99
43) Methyl Methacrylate	8.00	69	1099574	11.744	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036133.D
 Acq On : 10 Dec 2020 17:43
 Operator : SY/AP
 Sample : VL1210ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1210ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/15/2020 7:23:13 PM

Quant Time: Dec 14 22:45:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4368735	11.053	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1152553	11.982	ppbv	96
46) cis-1,3-Dichloropropene	8.69	75	1405533	11.658	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	932807	11.250	ppbv	97
48) Dibromochloromethane	10.29	129	1409980	11.260	ppbv	99
49) Bromoform	13.03	173	1091186	11.072	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2899890	11.383	ppbv	99
51) 2-Hexanone	10.12	43	2301774	11.559	ppbv #	97
52) Tetrachloroethene	11.21	164	694751	8.794	ppbv	95
53) Toluene	9.80	91	2702066	11.026	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1354529	10.898	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.12	131	1071519	10.116	ppbv	96
57) Chlorobenzene	12.14	112	1755868	9.791	ppbv	97
58) Ethyl Benzene	12.70	91	3633667	10.380	ppbv	98
59) m/p-Xylene	12.99	91	6078594m	20.616	ppbv	
60) o-Xylene	13.68	91	2842572	10.232	ppbv	96
61) Styrene	13.52	104	1838856	10.310	ppbv	96
62) Isopropylbenzene	14.66	105	4013788	9.747	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	1881670	10.057	ppbv	99
64) n-propylbenzene	15.55	120	955448	9.644	ppbv	85
65) tert-Butylbenzene	16.73	119	3179781	9.434	ppbv	93
66) Benzyl Chloride	16.98	91	768590	9.158	ppbv	96
67) sec-Butylbenzene	17.29	105	4594769	9.740	ppbv	97
69) p-Isopropyltoluene	17.64	119	3554227	9.473	ppbv	96
70) n-Butylbenzene	18.54	91	3849399	10.380	ppbv	99
71) 2-Chlorotoluene	15.44	91	3192037	10.255	ppbv	95
72) 4-Ethyltoluene	15.83	105	3074532	10.217	ppbv	97
73) 1,3,5-Trimethylbenzene	15.99	105	2854192	9.931	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	2826572	9.798	ppbv	95
75) 1,3-Dichlorobenzene	16.99	146	1385253	9.592	ppbv	97
76) 1,4-Dichlorobenzene	17.13	146	1375314	9.354	ppbv	97
77) 1,2-Dichlorobenzene	17.81	146	1272114	9.226	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	939713	8.503	ppbv	98
79) Naphthalene	22.19	128	1672714	11.406	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	664790	20.273	ppbv	92
81) 1,2,4-Trichlorobenzene	21.91	180	964698m	9.846	ppbv	

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

