

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036323.D
 Acq On : 10 Feb 2021 18:37
 Operator : SY/AP
 Sample : VL0210ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0210ABS01

Manual Integrations
 APPROVED

MMDadoda
 2/12/2021 1:42:08 PM

Quant Time: Feb 11 06:18:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 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	5.65	49	1461602	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3428276	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3136414m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2670148	10.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1878150	8.610	ppbv	99
3) Chlorodifluoromethane	2.98	51	1608808	8.859	ppbv	99
4) Chloromethane	3.13	50	788810	8.991	ppbv	97
5) Vinyl Chloride	3.24	62	779797	9.545	ppbv	99
6) Bromomethane	3.46	94	446577	9.196	ppbv	94
7) Chloroethane	3.54	64	267416	9.218	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	1790249	9.024	ppbv	100
9) Propene	3.00	41	730399	10.787	ppbv	100
10) Heptane	8.10	43	1867069	9.356	ppbv	98
11) Trichlorofluoromethane	3.93	101	1932712	9.048	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1209309	9.140	ppbv	100
13) Ethanol	3.59	45	99076	7.790	ppbv	100
14) Bromoethene	3.72	108	504852	9.117	ppbv	100
15) Acetone	3.84	43	1462048	8.183	ppbv	100
16) 1,3-Butadiene	3.31	39	783135	9.167	ppbv	97
17) tert-Butyl alcohol	4.28	59	1255047	9.049	ppbv	98
18) 1,1-Dichloroethene	4.27	96	534029	8.881	ppbv	97
19) Isopropyl Alcohol	3.96	45	858890	8.677	ppbv #	98
20) Methylene Chloride	4.33	84	462670	8.027	ppbv	94
21) Allyl Chloride	4.40	41	906936	9.117	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	490464	8.980	ppbv	94
23) Vinyl Acetate	5.06	43	1937832	9.225	ppbv	97
24) 1,1-Dichloroethane	5.00	63	1432333	9.219	ppbv	99
25) Ethyl Acetate	5.66	43	3161207	9.165	ppbv	99
26) Hexane	5.67	57	1252053	8.835	ppbv	98
27) Carbon Disulfide	4.53	76	1345071	10.327	ppbv	97
28) Methyl tert-Butyl Ether	5.01	73	1807391	9.763	ppbv	99
29) Chloroform	5.74	83	2040602	8.938	ppbv	99
30) Cyclohexane	7.11	84	1061622	9.008	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1301936	9.285	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	1989867	9.323	ppbv	99
34) 2-Butanone	5.23	43	1950458	8.563	ppbv	99
35) Carbon Tetrachloride	7.00	117	2031334	8.841	ppbv	97
36) Benzene	6.87	78	2638182	9.059	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1608155	8.931	ppbv	99
38) Trichloroethene	7.82	130	898531	8.613	ppbv	96
39) 1,2-Dichloropropane	7.60	63	1066995	9.019	ppbv	98
40) 1,4-Dioxane	7.81	88	342370	8.353	ppbv #	1
41) Tetrahydrofuran	6.03	42	1185535	9.327	ppbv	98
42) Bromodichloromethane	7.77	83	2185461	9.063	ppbv	97
43) Methyl Methacrylate	8.00	69	1183971	9.640	ppbv	99

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44) 2,2,4-Trimethylpentane	7.85	57	4580833m	8.651	ppbv	
45) t-1,3-Dichloropropene	9.26	75	1230785	10.388	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	1526371	10.142	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1035362	8.552	ppbv	96
48) Dibromochloromethane	10.29	129	1724749	9.547	ppbv	99
49) Bromoform	13.03	173	1360070	9.313	ppbv	98
50) 4-Methyl-2-Pentanone	8.72	43	3082271	9.115	ppbv	99
51) 2-Hexanone	10.12	43	2459108	9.571	ppbv #	99
52) Tetrachloroethene	11.20	164	859428	8.061	ppbv	97
53) Toluene	9.79	91	2954757	9.367	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1530000	8.745	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	1271943	8.817	ppbv #	61
57) Chlorobenzene	12.13	112	2096475	8.652	ppbv	100
58) Ethyl Benzene	12.69	91	3952906	9.204	ppbv	98
59) m/p-Xylene	12.98	91	6668549m	17.677	ppbv	
60) o-Xylene	13.68	91	3091450	8.571	ppbv	100
61) Styrene	13.51	104	2181010	9.757	ppbv	100
62) Isopropylbenzene	14.65	105	4631487	8.566	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	2136258	7.506	ppbv	99
64) n-propylbenzene	15.55	120	1185649	8.911	ppbv	99
65) tert-Butylbenzene	16.73	119	3839523	8.300	ppbv	99
66) Benzyl Chloride	16.97	91	1253587	9.969	ppbv	100
67) sec-Butylbenzene	17.28	105	5594319	8.386	ppbv	100
69) p-Isopropyltoluene	17.64	119	4574061	8.872	ppbv	99
70) n-Butylbenzene	18.54	91	4854208	8.780	ppbv	100
71) 2-Chlorotoluene	15.44	91	3581634	8.642	ppbv	100
72) 4-Ethyltoluene	15.82	105	3493554	8.703	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	3336531	8.575	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	3405072	8.572	ppbv	98
75) 1,3-Dichlorobenzene	16.98	146	1790039	8.302	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	1793296	8.009	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	1758058	8.219	ppbv	100
78) Hexachloro-1,3-Butadiene	23.35	225	1472366m	8.426	ppbv	
79) Naphthalene	22.17	128	2881457	12.237	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	720480	16.525	ppbv	97
81) 1,2,4-Trichlorobenzene	21.91	180	1481032	10.309	ppbv	99

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

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