

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040621\
 Data File : VL036703.D
 Acq On : 6 Apr 2021 17:54
 Operator : SY/AP
 Sample : VL0406ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0406ABS01

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:10:56 AM

Quant Time: Apr 07 05:57:12 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1333175	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3387475	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3188946	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2617453	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2019086	9.285	ppbv 97
3) Chlorodifluoromethane	2.99	51	2401745	9.642	ppbv 100
4) Chloromethane	3.14	50	781185	8.879	ppbv 99
5) Vinyl Chloride	3.26	62	763726	8.442	ppbv 98
6) Bromomethane	3.48	94	422897	8.491	ppbv 97
7) Chloroethane	3.56	64	273464	8.797	ppbv 96
8) Dichlorotetrafluoroethane	3.19	85	1841763	8.874	ppbv 98
9) Propene	3.01	41	706221	8.894	ppbv 99
10) Heptane	8.13	43	1877396	9.281	ppbv 98
11) Trichlorofluoromethane	3.95	101	1861576	8.401	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1234621	8.714	ppbv 100
13) Ethanol	3.62	45	73490m	7.772	ppbv
14) Bromoethene	3.75	108	516219	8.764	ppbv 99
15) Acetone	3.85	43	979340	7.464	ppbv 99
16) 1,3-Butadiene	3.33	39	798336	8.739	ppbv 98
17) tert-Butyl alcohol	4.30	59	1071489	9.380	ppbv 98
18) 1,1-Dichloroethene	4.29	96	544486	8.640	ppbv 95
19) Isopropyl Alcohol	3.97	45	613735	8.503	ppbv 100
20) Methylene Chloride	4.35	84	458439	7.462	ppbv 98
21) Allyl Chloride	4.42	41	897166	8.577	ppbv 97
22) trans-1,2-Dichloroethene	4.89	96	514800	8.811	ppbv 91
23) Vinyl Acetate	5.08	43	1929096	8.595	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1494256	9.134	ppbv 99
25) Ethyl Acetate	5.68	43	2758442	8.842	ppbv 100
26) Hexane	5.69	57	1316532	9.094	ppbv 98
27) Carbon Disulfide	4.56	76	1314604	9.218	ppbv 98
28) Methyl tert-Butyl Ether	5.04	73	1465826	8.586	ppbv 99
29) Chloroform	5.76	83	2085084	9.006	ppbv 99
30) Cyclohexane	7.14	84	1150011	9.795	ppbv 97
31) cis-1,2-Dichloroethene	5.56	61	1287988	9.199	ppbv 97
32) 1,1,1-Trichloroethane	6.52	97	2142878	9.184	ppbv 99
34) 2-Butanone	5.25	43	1324776	8.012	ppbv 100
35) Carbon Tetrachloride	7.03	117	2262291	8.695	ppbv 97
36) Benzene	6.90	78	2789246	8.928	ppbv 99
37) 1,2-Dichloroethane	6.32	62	1604567	8.726	ppbv 100
38) Trichloroethene	7.84	130	1049207	8.630	ppbv 98
39) 1,2-Dichloropropane	7.62	63	1087190	8.579	ppbv 96
40) 1,4-Dioxane	7.84	88	261694m	8.872	ppbv
41) Tetrahydrofuran	6.06	42	540606	7.091	ppbv 92
42) Bromodichloromethane	7.80	83	2277633	9.106	ppbv 97
43) Methyl Methacrylate	8.02	69	1027587	9.795	ppbv 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4736095	8.613	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	975626	8.144	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1264774	8.260	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1143842	8.911	ppbv	96
48) Dibromochloromethane	10.32	129	1874418	9.579	ppbv	100
49) Bromoform	13.05	173	1563254	9.915	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	1968165	8.226	ppbv	98
51) 2-Hexanone	10.15	43	1040924	8.621	ppbv #	100
52) Tetrachloroethene	11.24	164	957051	8.319	ppbv	99
53) Toluene	9.82	91	3117839	9.371	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1608350	8.872	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1320712	9.157	ppbv	99
57) Chlorobenzene	12.16	112	2381510	8.777	ppbv	99
58) Ethyl Benzene	12.72	91	4269722	9.203	ppbv	100
59) m/p-Xylene	13.01	91	7275311m	17.979	ppbv	
60) o-Xylene	13.71	91	3460930	8.845	ppbv	100
61) Styrene	13.54	104	1890637	9.605	ppbv	99
62) Isopropylbenzene	14.68	105	4805206	9.120	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2568941	8.607	ppbv	99
64) n-propylbenzene	15.58	120	1256562	9.754	ppbv	99
65) tert-Butylbenzene	16.76	119	4214923	9.225	ppbv	99
66) Benzyl Chloride	17.00	91	311997	6.178	ppbv	97
67) sec-Butylbenzene	17.31	105	5912091	9.167	ppbv	99
69) p-Isopropyltoluene	17.67	119	4890428	9.710	ppbv	99
70) n-Butylbenzene	18.56	91	5032225	9.637	ppbv	99
71) 2-Chlorotoluene	15.47	91	3715370	9.410	ppbv	100
72) 4-Ethyltoluene	15.85	105	4149792	9.679	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	3673488	9.180	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	3845956	8.981	ppbv	99
75) 1,3-Dichlorobenzene	17.01	146	2271871	9.425	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2199186	9.189	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2211251	9.760	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1736343	8.557	ppbv	99
79) Naphthalene	22.22	128	2645504	10.587	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	331411	6.726	ppbv	96
81) 1,2,4-Trichlorobenzene	21.94	180	1611789	10.447	ppbv	100

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

