

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036920.D
 Acq On : 7 May 2021 15:32
 Operator : SY/AP
 Sample : VL0507ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Manual Integrations
 APPROVED

MMDadoda
 5/10/2021 3:34:39 PM

Quant Time: May 08 06:54:50 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1356064	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3386706	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3317802m	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2644647	9.93	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	2173428	10.177	ppbv 99
3) Chlorodifluoromethane	3.00	51	2608981	10.562	ppbv 99
4) Chloromethane	3.15	50	864535	10.649	ppbv 95
5) Vinyl Chloride	3.27	62	819493	10.007	ppbv 100
6) Bromomethane	3.48	94	434952	9.877	ppbv 93
7) Chloroethane	3.56	64	275925	10.253	ppbv 89
8) Dichlorotetrafluoroethane	3.20	85	2002761	10.281	ppbv 98
9) Propene	3.01	41	778180	10.339	ppbv 98
10) Heptane	8.13	43	1996943	10.549	ppbv 98
11) Trichlorofluoromethane	3.96	101	1938898	10.171	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1278138	10.018	ppbv 99
13) Ethanol	3.63	45	78120m	8.138	ppbv
14) Bromoethene	3.75	108	536733	10.297	ppbv 98
15) Acetone	3.86	43	1305632	10.215	ppbv 100
16) 1,3-Butadiene	3.34	39	859678	10.518	ppbv 96
17) tert-Butyl alcohol	4.30	59	984721	9.492	ppbv 97
18) 1,1-Dichloroethene	4.30	96	538178	9.706	ppbv 97
19) Isopropyl Alcohol	3.98	45	545696	8.617	ppbv 98
20) Methylene Chloride	4.35	84	495097	8.100	ppbv 97
21) Allyl Chloride	4.42	41	831745	8.758	ppbv 99
22) trans-1,2-Dichloroethene	4.90	96	525588	9.445	ppbv 97
23) Vinyl Acetate	5.08	43	2024943	11.647	ppbv # 98
24) 1,1-Dichloroethane	5.02	63	1503619	12.183	ppbv 98
25) Ethyl Acetate	5.69	43	2924452	9.367	ppbv 100
26) Hexane	5.70	57	1450356	9.929	ppbv 93
27) Carbon Disulfide	4.56	76	1367915	10.782	ppbv 100
28) Methyl tert-Butyl Ether	5.05	73	1481029	11.439	ppbv 100
29) Chloroform	5.76	83	2332486	10.243	ppbv 99
30) Cyclohexane	7.14	84	1186312	10.241	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1360622	10.377	ppbv 99
32) 1,1,1-Trichloroethane	6.52	97	2338089	10.097	ppbv 100
34) 2-Butanone	5.26	43	1347099	9.080	ppbv 97
35) Carbon Tetrachloride	7.03	117	2478266	10.784	ppbv 96
36) Benzene	6.90	78	2992104	10.486	ppbv 99
37) 1,2-Dichloroethane	6.32	62	1684450	10.425	ppbv 99
38) Trichloroethene	7.85	130	1106878	10.895	ppbv 99
39) 1,2-Dichloropropane	7.63	63	1185576	10.371	ppbv 97
40) 1,4-Dioxane	7.85	88	267587	9.693	ppbv 87
41) Tetrahydrofuran	6.07	42	594022	9.153	ppbv 100
42) Bromodichloromethane	7.80	83	2502912	11.148	ppbv 99
43) Methyl Methacrylate	8.02	69	1099592	11.810	ppbv 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036920.D
 Acq On : 7 May 2021 15:32
 Operator : SY/AP
 Sample : VL0507ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Manual Integrations
 APPROVED

MMDadoda
 5/10/2021 3:34:39 PM

Quant Time: May 08 06:54:50 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5140522	10.512	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	759976	7.572	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1060105	8.237	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	1256078	10.613	ppbv	97
48) Dibromochloromethane	10.31	129	2050920	11.694	ppbv	98
49) Bromoform	13.05	173	1729481	12.353	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2113292	10.422	ppbv	99
51) 2-Hexanone	10.15	43	1066374	10.543	ppbv #	100
52) Tetrachloroethene	11.23	164	1015087	10.447	ppbv	98
53) Toluene	9.82	91	3371291	11.291	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1757709	10.519	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1453900	10.453	ppbv #	63
57) Chlorobenzene	12.16	112	2578463	9.978	ppbv	99
58) Ethyl Benzene	12.72	91	4569970	10.860	ppbv	98
59) m/p-Xylene	13.00	91	7903628m	21.014	ppbv	
60) o-Xylene	13.70	91	3764929	10.353	ppbv	100
61) Styrene	13.54	104	1950819	11.423	ppbv	100
62) Isopropylbenzene	14.68	105	5131007	10.370	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2884843	9.896	ppbv	100
64) n-propylbenzene	15.57	120	1360620	11.034	ppbv	99
65) tert-Butylbenzene	16.75	119	4509734	10.309	ppbv	99
66) Benzyl Chloride	17.00	91	362759m	8.481	ppbv	
67) sec-Butylbenzene	17.30	105	6350644	10.454	ppbv	100
69) p-Isopropyltoluene	17.66	119	5199737	10.677	ppbv	99
70) n-Butylbenzene	18.56	91	5464621	11.132	ppbv	99
71) 2-Chlorotoluene	15.46	91	4025700	10.986	ppbv	99
72) 4-Ethyltoluene	15.85	105	4432231	11.355	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3921879	10.360	ppbv	96
74) 1,2,4-Trimethylbenzene	16.77	105	4140189	10.296	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	2469688	10.390	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2352362	10.113	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	2363067	10.178	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1836801	9.311	ppbv	99
79) Naphthalene	22.21	128	2723695	12.094	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	229140	9.227	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	1646679	11.304	ppbv	99

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

