

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
 Data File : VL035446.D
 Acq On : 18 Aug 2020 17:12
 Operator : SY/AP
 Sample : VL0818ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:07:06 AM

Quant Time: Aug 19 03:01:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 18 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1064801	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4872559	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.12	117	5240862m	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3601458	9.82	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1733517	8.784	ppbv	99
3) Chlorodifluoromethane	2.99	51	1257786	9.421	ppbv #	91
4) Chloromethane	3.14	50	669916	9.631	ppbv	96
5) Vinyl Chloride	3.26	62	796855	9.586	ppbv	95
6) Bromomethane	3.48	94	705387	9.703	ppbv	99
7) Chloroethane	3.56	64	289497	9.454	ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	2310553	9.143	ppbv #	58
9) Propene	3.01	41	498422	9.288	ppbv	100
10) Heptane	8.15	43	1361406	9.676	ppbv #	79
11) Trichlorofluoromethane	3.96	101	2902319	9.372	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2174275	9.422	ppbv #	77
13) Ethanol	3.61	45	122369	6.224	ppbv	99
14) Bromoethene	3.75	108	983776	9.647	ppbv #	95
15) Acetone	3.86	43	1026395	8.375	ppbv #	83
16) 1,3-Butadiene	3.33	39	482659	9.711	ppbv #	66
17) tert-Butyl alcohol	4.30	59	1534943	9.690	ppbv	98
18) 1,1-Dichloroethene	4.30	96	989356	9.710	ppbv #	60
19) Isopropyl Alcohol	3.98	45	792422	9.381	ppbv #	97
20) Methylene Chloride	4.35	84	776010	7.848	ppbv #	65
21) Allyl Chloride	4.42	41	627659	10.078	ppbv #	82
22) trans-1,2-Dichloroethene	4.90	96	1061163	9.759	ppbv #	62
23) Vinyl Acetate	5.09	43	1714592	9.786	ppbv #	94
24) 1,1-Dichloroethane	5.02	63	1670464	9.554	ppbv #	93
25) Ethyl Acetate	5.69	43	2182980	9.153	ppbv #	93
26) Hexane	5.70	57	1237775	9.197	ppbv #	76
27) Carbon Disulfide	4.56	76	2044943	10.512	ppbv #	86
28) Methyl tert-Butyl Ether	5.05	73	2320852	9.440	ppbv	92
29) Chloroform	5.77	83	2579635	9.540	ppbv	99
30) Cyclohexane	7.15	84	1477345	9.894	ppbv #	61
31) cis-1,2-Dichloroethene	5.56	61	1379410	9.745	ppbv #	63
32) 1,1,1-Trichloroethane	6.53	97	2641569	10.424	ppbv #	90
34) 2-Butanone	5.26	43	1537895	9.447	ppbv #	74
35) Carbon Tetrachloride	7.04	117	2848991	10.994	ppbv	98
36) Benzene	6.92	78	3331803	9.317	ppbv #	93
37) 1,2-Dichloroethane	6.33	62	1587496	9.713	ppbv #	90
38) Trichloroethene	7.86	130	1879161	9.446	ppbv #	83
39) 1,2-Dichloropropane	7.64	63	1119775	9.501	ppbv #	85
40) 1,4-Dioxane	7.85	88	603125	9.394	ppbv #	24
41) Tetrahydrofuran	6.07	42	893030	9.945	ppbv #	63
42) Bromodichloromethane	7.82	83	2763674	10.105	ppbv #	98
43) Methyl Methacrylate	8.04	69	1394726	9.973	ppbv #	59

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
 Data File : VL035446.D
 Acq On : 18 Aug 2020 17:12
 Operator : SY/AP
 Sample : VL0818ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:07:06 AM

Quant Time: Aug 19 03:01:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 18 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.90	57	4268804	9.141	ppbv #	93
45) t-1,3-Dichloropropene	9.31	75	1594645	11.070	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1911600	10.652	ppbv #	75
47) 1,1,2-Trichloroethane	9.51	97	1685071	9.572	ppbv	93
48) Dibromochloromethane	10.34	129	3113799	10.544	ppbv	99
49) Bromoform	13.08	173	3122813	10.976	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	2270860	9.724	ppbv #	81
51) 2-Hexanone	10.16	43	1950993	9.912	ppbv #	79
52) Tetrachloroethene	11.26	164	2048694	9.392	ppbv #	83
53) Toluene	9.83	91	4339247	9.421	ppbv	98
54) 1,2-Dibromoethane	10.64	107	2732510	9.557	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	2411277	9.699	ppbv	98
57) Chlorobenzene	12.18	112	3837575	8.772	ppbv #	81
58) Ethyl Benzene	12.75	91	5708026	9.022	ppbv #	84
59) m/p-Xylene	13.03	91	9298446m	17.387	ppbv	
60) o-Xylene	13.73	91	4698569	9.040	ppbv	86
61) Styrene	13.57	104	3991549	9.504	ppbv #	90
62) Isopropylbenzene	14.71	105	7352973	8.632	ppbv #	86
63) 1,1,2,2-Tetrachloroethane	13.72	83	3295798	8.827	ppbv	97
64) n-propylbenzene	15.60	120	2475335	9.427	ppbv #	45
65) tert-Butylbenzene	16.79	119	7223502	8.726	ppbv #	82
66) Benzyl Chloride	17.03	91	2431540	12.211	ppbv #	89
67) sec-Butylbenzene	17.34	105	9160866	8.408	ppbv #	82
69) p-Isopropyltoluene	17.70	119	8349542	8.637	ppbv #	89
70) n-Butylbenzene	18.59	91	7930756	8.685	ppbv #	90
71) 2-Chlorotoluene	15.49	91	5613371	9.082	ppbv	77
72) 4-Ethyltoluene	15.88	105	6214489	9.110	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.04	105	5829971	9.185	ppbv #	82
74) 1,2,4-Trimethylbenzene	16.81	105	6050571	8.774	ppbv #	92
75) 1,3-Dichlorobenzene	17.04	146	4687131	8.800	ppbv	92
76) 1,4-Dichlorobenzene	17.18	146	4730328	9.012	ppbv	91
77) 1,2-Dichlorobenzene	17.86	146	4676653	8.964	ppbv	91
78) Hexachloro-1,3-Butadiene	23.42	225	3584572	8.690	ppbv	98
79) Naphthalene	22.25	128	8560374	8.814	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	4012518	9.998	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.98	180	5260955	8.987	ppbv	99

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

