

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\
 Data File : VL035344.D
 Acq On : 6 Aug 2020 10:09
 Operator : SY/AP
 Sample : VL0806ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0806ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/7/2020 12:53:30 PM

Quant Time: Aug 07 10:00:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 0
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1435385	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3553113	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	3644021m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2907340	9.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.00	85	1591872	8.338	ppbv 98
3) Chlorodifluoromethane	2.94	51	1442395	8.803	ppbv 99
4) Chloromethane	3.09	50	798612	8.609	ppbv 99
5) Vinyl Chloride	3.21	62	802842	8.414	ppbv 99
6) Bromomethane	3.43	94	530546	9.076	ppbv 99
7) Chloroethane	3.51	64	316370	8.927	ppbv 93
8) Dichlorotetrafluoroethane	3.14	85	1966558	8.714	ppbv 100
9) Propene	2.96	41	546477	9.360	ppbv 99
10) Heptane	8.12	43	1625212	10.897	ppbv 99
11) Trichlorofluoromethane	3.91	101	2120467	8.572	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1494746	8.454	ppbv 99
13) Ethanol	3.56	45	178579	8.868	ppbv 95
14) Bromoethene	3.70	108	644608	9.093	ppbv 98
15) Acetone	3.81	43	1577889	7.741	ppbv 99
16) 1,3-Butadiene	3.28	39	749267	9.550	ppbv 98
17) tert-Butyl alcohol	4.25	59	1808027	9.664	ppbv 100
18) 1,1-Dichloroethene	4.25	96	677724	8.927	ppbv 97
19) Isopropyl Alcohol	3.92	45	1213305	9.390	ppbv 100
20) Methylene Chloride	4.31	84	605578	7.285	ppbv 97
21) Allyl Chloride	4.38	41	1073460	9.191	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	668971	9.087	ppbv 96
23) Vinyl Acetate	5.05	43	1977853	10.119	ppbv 98
24) 1,1-Dichloroethane	4.98	63	1687047	9.185	ppbv 100
25) Ethyl Acetate	5.65	43	2923924	9.441	ppbv 99
26) Hexane	5.66	57	1273309	9.478	ppbv 98
27) Carbon Disulfide	4.51	76	1775361	9.451	ppbv 99
28) Methyl tert-Butyl Ether	5.00	73	1973622	10.104	ppbv 99
29) Chloroform	5.73	83	2091302	9.030	ppbv 97
30) Cyclohexane	7.12	84	1093194	10.731	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	1263809	10.582	ppbv 93
32) 1,1,1-Trichloroethane	6.50	97	2062229	8.472	ppbv 100
34) 2-Butanone	5.22	43	1774156	10.141	ppbv 98
35) Carbon Tetrachloride	7.01	117	2212083	9.047	ppbv 99
36) Benzene	6.88	78	2555131	10.650	ppbv 98
37) 1,2-Dichloroethane	6.29	62	1613934	9.629	ppbv 100
38) Trichloroethene	7.83	130	1097540	9.917	ppbv 92
39) 1,2-Dichloropropane	7.61	63	979392	10.083	ppbv 96
40) 1,4-Dioxane	7.82	88	426891	10.263	ppbv 97
41) Tetrahydrofuran	6.03	42	962638	11.212	ppbv 100
42) Bromodichloromethane	7.79	83	2249996	9.996	ppbv 96
43) Methyl Methacrylate	8.01	69	1147632	11.370	ppbv 100

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

44) 2,2,4-Trimethylpentane	7.86	57	4366636	10.244	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1308186	12.494	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	1532757	12.121	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1127075	9.651	ppbv	96
48) Dibromochloromethane	10.32	129	1967886	10.287	ppbv	99
49) Bromoform	13.06	173	1800404	10.328	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2766997	10.359	ppbv	99
51) 2-Hexanone	10.14	43	2261946	10.802	ppbv #	99
52) Tetrachloroethene	11.23	164	985185	10.357	ppbv	96
53) Toluene	9.81	91	3015246	11.553	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1736816	10.366	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.14	131	1549169	9.006	ppbv	97
57) Chlorobenzene	12.16	112	2501980	9.119	ppbv	98
58) Ethyl Benzene	12.73	91	4155241	10.959	ppbv	97
59) m/p-Xylene	13.01	91	7094053m	20.092	ppbv	
60) o-Xylene	13.71	91	3552246	10.138	ppbv	100
61) Styrene	13.55	104	2548138	11.908	ppbv	99
62) Isopropylbenzene	14.69	105	5241906	9.936	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2607254	8.723	ppbv	99
64) n-propylbenzene	15.58	120	1446280	10.201	ppbv	99
65) tert-Butylbenzene	16.77	119	4836171	10.011	ppbv	99
66) Benzyl Chloride	17.01	91	2125490	11.116	ppbv	100
67) sec-Butylbenzene	17.32	105	6709331	9.819	ppbv	99
69) p-Isopropyltoluene	17.68	119	5678482	10.193	ppbv	100
70) n-Butylbenzene	18.58	91	5901073	9.903	ppbv	100
71) 2-Chlorotoluene	15.48	91	4052527	10.487	ppbv	100
72) 4-Ethyltoluene	15.86	105	4269513	10.688	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4010629	10.463	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	4252108	9.706	ppbv	95
75) 1,3-Dichlorobenzene	17.03	146	2551978	8.904	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	2554367	9.624	ppbv	100
77) 1,2-Dichlorobenzene	17.84	146	2470582	9.341	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	2050408	9.111	ppbv	99
79) Naphthalene	22.24	128	4327448	12.842	ppbv	97
80) Naphthalene, 2-methyl-	25.00	142	1827055	23.835	ppbv	98
81) 1,2,4-Trichlorobenzene	21.97	180	2385130	11.231	ppbv	99

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

