

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062220\
 Data File : VL035113.D
 Acq On : 22 Jun 2020 16:33
 Operator : SY/AP
 Sample : VL0622ABS01DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01DUP

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 10:59:26 AM

Quant Time: Jun 23 01:39:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 23 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1350913	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	3157165	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.13	117	3182867m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2548932	9.64	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1582751	8.677	ppbv	99
3) Chlorodifluoromethane	2.95	51	1378659	9.238	ppbv	99
4) Chloromethane	3.11	50	801848	9.585	ppbv	98
5) Vinyl Chloride	3.22	62	792038	9.956	ppbv	98
6) Bromomethane	3.44	94	473018	9.575	ppbv	93
7) Chloroethane	3.53	64	286788	9.560	ppbv	93
8) Dichlorotetrafluoroethane	3.15	85	1741847	8.906	ppbv	97
9) Propene	2.97	41	609200	10.309	ppbv	100
10) Heptane	8.14	43	1591442	10.392	ppbv	99
11) Trichlorofluoromethane	3.93	101	1807027	9.273	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1298726	9.638	ppbv	98
13) Ethanol	3.58	45	159424	7.141	ppbv	98
14) Bromoethene	3.71	108	581785	10.016	ppbv	98
15) Acetone	3.83	43	1403434	8.593	ppbv	100
16) 1,3-Butadiene	3.29	39	714938	9.981	ppbv	100
17) tert-Butyl alcohol	4.28	59	1579207	10.910	ppbv	100
18) 1,1-Dichloroethene	4.27	96	608117	10.006	ppbv	98
19) Isopropyl Alcohol	3.95	45	1058422	9.980	ppbv #	98
20) Methylene Chloride	4.33	84	541178	8.187	ppbv	96
21) Allyl Chloride	4.39	41	1031217	10.624	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	606446	10.665	ppbv	96
23) Vinyl Acetate	5.07	43	2172051	10.956	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1562354	9.347	ppbv	99
25) Ethyl Acetate	5.67	43	2756241	9.351	ppbv	100
26) Hexane	5.69	57	1226852	9.232	ppbv	99
27) Carbon Disulfide	4.53	76	1629475	11.848	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	1942846	10.405	ppbv	100
29) Chloroform	5.75	83	1890388	9.090	ppbv	97
30) Cyclohexane	7.14	84	1028522	10.783	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1250019	10.204	ppbv	95
32) 1,1,1-Trichloroethane	6.52	97	1844575	9.563	ppbv	99
34) 2-Butanone	5.24	43	1795437	9.903	ppbv	100
35) Carbon Tetrachloride	7.03	117	1882110	9.940	ppbv	96
36) Benzene	6.90	78	2465844	10.086	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1476689	9.557	ppbv	100
38) Trichloroethene	7.86	130	923302	9.723	ppbv	98
39) 1,2-Dichloropropane	7.63	63	972173	10.167	ppbv	99
40) 1,4-Dioxane	7.84	88	360712m	9.564	ppbv	
41) Tetrahydrofuran	6.05	42	1023698	11.055	ppbv	98
42) Bromodichloromethane	7.81	83	2069889	10.344	ppbv	98
43) Methyl Methacrylate	8.03	69	1094895	10.581	ppbv	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062220\
 Data File : VL035113.D
 Acq On : 22 Jun 2020 16:33
 Operator : SY/AP
 Sample : VL0622ABS01DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01DUP

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 10:59:26 AM

Quant Time: Jun 23 01:39:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

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

44) 2,2,4-Trimethylpentane	7.88	57	4160668	9.751	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	1283249	12.742	ppbv	100
46) cis-1,3-Dichloropropene	8.73	75	1488347	11.896	ppbv	96
47) 1,1,2-Trichloroethane	9.51	97	1025154	9.823	ppbv	95
48) Dibromochloromethane	10.34	129	1726637	11.098	ppbv	99
49) Bromoform	13.09	173	1478988	11.191	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2651014	10.291	ppbv	99
51) 2-Hexanone	10.16	43	2161095	10.712	ppbv #	99
52) Tetrachloroethene	11.26	164	866961	10.064	ppbv	94
53) Toluene	9.83	91	2851268	10.934	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1547766	10.017	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.17	131	1265105	9.712	ppbv #	61
57) Chlorobenzene	12.19	112	2117915	9.043	ppbv	99
58) Ethyl Benzene	12.75	91	3782789	10.578	ppbv	97
59) m/p-Xylene	13.03	91	6135218m	19.358	ppbv	
60) o-Xylene	13.73	91	3038614	9.630	ppbv	100
61) Styrene	13.57	104	2225331	11.208	ppbv	100
62) Isopropylbenzene	14.72	105	4527579	9.616	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.73	83	2116323	8.281	ppbv	99
64) n-propylbenzene	15.61	120	1191858	9.919	ppbv	99
65) tert-Butylbenzene	16.80	119	3844837	9.536	ppbv	100
66) Benzyl Chloride	17.04	91	1627655	13.069	ppbv	100
67) sec-Butylbenzene	17.35	105	5473351	9.472	ppbv	100
69) p-Isopropyltoluene	17.70	119	4525031	9.817	ppbv	100
70) n-Butylbenzene	18.60	91	4688354	9.443	ppbv	99
71) 2-Chlorotoluene	15.50	91	3504697	9.848	ppbv	100
72) 4-Ethyltoluene	15.89	105	3554955	10.128	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	3325995	10.024	ppbv	96
74) 1,2,4-Trimethylbenzene	16.82	105	3379447	9.126	ppbv	92
75) 1,3-Dichlorobenzene	17.05	146	1926010	8.715	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1922379	9.093	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1837743	9.088	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1490385	8.200	ppbv	99
79) Naphthalene	22.27	128	3362281	10.356	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	1576688	12.701	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1759192	9.393	ppbv	100

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

