

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060221\
 Data File : VL037100.D
 Acq On : 2 Jun 2021 13:16
 Operator : SY/AP
 Sample : VL0602ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0602ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/7/2021 3:00:29 PM

Quant Time: Jun 03 03:32:19 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1451725	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4356346	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4163554m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3198978	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2227988	9.047	ppbv	99
3) Chlorodifluoromethane	2.97	51	2568763	9.658	ppbv	95
4) Chloromethane	3.13	50	890556	9.840	ppbv	97
5) Vinyl Chloride	3.24	62	909684	9.196	ppbv	99
6) Bromomethane	3.46	94	573784	11.007	ppbv	97
7) Chloroethane	3.54	64	346391	10.784	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	2362106	10.215	ppbv	94
9) Propene	3.00	41	810801	8.514	ppbv	99
10) Heptane	8.10	43	2108441	8.884	ppbv	99
11) Trichlorofluoromethane	3.93	101	2555278	11.210	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1754162	10.803	ppbv	96
13) Ethanol	3.60	45	75841	5.969	ppbv	90
14) Bromoethene	3.73	108	756040	10.571	ppbv	100
15) Acetone	3.84	43	1245024	8.373	ppbv	97
16) 1,3-Butadiene	3.31	39	925034	10.013	ppbv	96
17) tert-Butyl alcohol	4.28	59	1314909	9.654	ppbv	99
18) 1,1-Dichloroethene	4.27	96	787303	10.486	ppbv	98
19) Isopropyl Alcohol	3.96	45	723173	9.047	ppbv #	35
20) Methylene Chloride	4.33	84	634191	7.957	ppbv	97
21) Allyl Chloride	4.40	41	1086599	9.687	ppbv	92
22) trans-1,2-Dichloroethene	4.87	96	798690	11.099	ppbv	96
23) Vinyl Acetate	5.06	43	2281941	9.669	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1621522	9.545	ppbv	99
25) Ethyl Acetate	5.66	43	3300473	9.237	ppbv	100
26) Hexane	5.67	57	1577730	8.643	ppbv	97
27) Carbon Disulfide	4.54	76	1814136	9.861	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1952328	8.923	ppbv	99
29) Chloroform	5.74	83	2641931	10.245	ppbv	99
30) Cyclohexane	7.11	84	1411903	9.102	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1611378	9.846	ppbv	96
32) 1,1,1-Trichloroethane	6.49	97	2735851	9.880	ppbv	99
34) 2-Butanone	5.23	43	1574314	9.925	ppbv	100
35) Carbon Tetrachloride	7.00	117	2955916	10.212	ppbv	97
36) Benzene	6.87	78	3345477	8.916	ppbv	98
37) 1,2-Dichloroethane	6.29	62	2020699	10.862	ppbv	99
38) Trichloroethene	7.82	130	1452732	9.050	ppbv	99
39) 1,2-Dichloropropane	7.60	63	1280011	8.855	ppbv	93
40) 1,4-Dioxane	7.82	88	322204	9.440	ppbv #	100
41) Tetrahydrofuran	6.03	42	769155	8.514	ppbv	97
42) Bromodichloromethane	7.77	83	2838979	10.087	ppbv	99
43) Methyl Methacrylate	8.00	69	1221469	9.445	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5494236	8.534	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1154275	11.682	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1473467	11.087	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1461289	9.659	ppbv	98
48) Dibromochloromethane	10.29	129	2610846	10.658	ppbv	98
49) Bromoform	13.02	173	2169203	10.723	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	2415626	9.229	ppbv	98
51) 2-Hexanone	10.12	43	1274913	9.213	ppbv #	95
52) Tetrachloroethene	11.20	164	1429826	9.582	ppbv	98
53) Toluene	9.79	91	4046905	9.064	ppbv	99
54) 1,2-Dibromoethane	10.59	107	2210786	10.278	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1782211	10.173	ppbv #	56
57) Chlorobenzene	12.13	112	3178955	9.847	ppbv	99
58) Ethyl Benzene	12.69	91	5488192	9.339	ppbv	98
59) m/p-Xylene	12.98	91	9277670m	19.100	ppbv	
60) o-Xylene	13.67	91	4402990	9.504	ppbv	99
61) Styrene	13.51	104	2563089	9.821	ppbv	97
62) Isopropylbenzene	14.65	105	6212635	9.331	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	2994624	8.655	ppbv	99
64) n-propylbenzene	15.54	120	1683856	9.802	ppbv	100
65) tert-Butylbenzene	16.73	119	5686852	9.466	ppbv	99
66) Benzyl Chloride	16.97	91	262347	7.870	ppbv	96
67) sec-Butylbenzene	17.28	105	7533023	9.191	ppbv	99
69) p-Isopropyltoluene	17.63	119	6571894	9.326	ppbv	99
70) n-Butylbenzene	18.53	91	6185153	9.240	ppbv	99
71) 2-Chlorotoluene	15.43	91	4544388	9.450	ppbv	99
72) 4-Ethyltoluene	15.82	105	5410069	9.839	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4895905	9.482	ppbv	96
74) 1,2,4-Trimethylbenzene	16.74	105	5084614	9.524	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	3187557	9.778	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	3145998	9.544	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	3060302	9.368	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1946952	7.412	ppbv	99
79) Naphthalene	22.17	128	3787903	9.043	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	957593	10.513	ppbv	93
81) 1,2,4-Trichlorobenzene	21.90	180	2188899	8.572	ppbv	99

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

