

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062921\
 Data File : VL037264.D
 Acq On : 30 Jun 2021 00:45
 Operator : SY/AP
 Sample : VL0629ABS02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0629ABS02

Manual Integrations
 APPROVED

MMDadoda
 7/5/2021 3:39:13 PM

Quant Time: Jun 30 09:02:13 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1592815	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	4675455	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	4152214m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3500569	11.13	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	2526991	9.122 ppbv	96
3) Chlorodifluoromethane	2.98	51	2742258	8.854 ppbv	100
4) Chloromethane	3.13	50	963480	9.334 ppbv	99
5) Vinyl Chloride	3.25	62	1069981	9.432 ppbv	97
6) Bromomethane	3.47	94	568907	8.406 ppbv	96
7) Chloroethane	3.55	64	384116	9.472 ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2623104	9.231 ppbv	96
9) Propene	3.01	41	898585	9.074 ppbv	100
10) Heptane	8.11	43	2288978	9.544 ppbv	99
11) Trichlorofluoromethane	3.94	101	2755858	9.324 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2038231	9.782 ppbv	100
13) Ethanol	3.61	45	88018	5.746 ppbv	58
14) Bromoethene	3.74	108	833448	9.584 ppbv	99
15) Acetone	3.85	43	1390156	7.740 ppbv	98
16) 1,3-Butadiene	3.32	39	1023586	9.640 ppbv	100
17) tert-Butyl alcohol	4.29	59	1517426	9.141 ppbv	99
18) 1,1-Dichloroethene	4.28	96	876157	9.489 ppbv	97
19) Isopropyl Alcohol	3.97	45	799559	7.349 ppbv	# 97
20) Methylene Chloride	4.34	84	772181	7.181 ppbv	98
21) Allyl Chloride	4.41	41	1263183	9.330 ppbv	94
22) trans-1,2-Dichloroethene	4.88	96	914517	10.010 ppbv	97
23) Vinyl Acetate	5.07	43	2313755m	8.984 ppbv	
24) 1,1-Dichloroethane	5.01	63	1851889	8.931 ppbv	100
25) Ethyl Acetate	5.67	43	3574633	9.193 ppbv	100
26) Hexane	5.68	57	1704086	8.671 ppbv	99
27) Carbon Disulfide	4.54	76	2036490	10.576 ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2064597	8.738 ppbv	99
29) Chloroform	5.75	83	2708731	8.922 ppbv	99
30) Cyclohexane	7.12	84	1502159	9.173 ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1717296	9.509 ppbv	100
32) 1,1,1-Trichloroethane	6.50	97	2850515	8.774 ppbv	99
34) 2-Butanone	5.24	43	1594043	8.766 ppbv	97
35) Carbon Tetrachloride	7.01	117	2992536	9.543 ppbv	99
36) Benzene	6.88	78	3571011	9.445 ppbv	99
37) 1,2-Dichloroethane	6.30	62	2056445	9.363 ppbv	100
38) Trichloroethene	7.83	130	1476584	8.216 ppbv	99
39) 1,2-Dichloropropane	7.61	63	1369437	9.748 ppbv	98
40) 1,4-Dioxane	7.83	88	312023	8.099 ppbv	# 49
41) Tetrahydrofuran	6.05	42	851857	10.086 ppbv	99
42) Bromodichloromethane	7.79	83	2919868	9.637 ppbv	98
43) Methyl Methacrylate	8.01	69	1305541	9.999 ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5916505	9.293	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	992016	8.612	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1246709	7.911	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1514276	9.448	ppbv	98
48) Dibromochloromethane	10.30	129	2601718	10.283	ppbv	99
49) Bromoform	13.03	173	2128141	11.290	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2576125	10.315	ppbv	100
51) 2-Hexanone	10.13	43	1334176	10.979	ppbv #	99
52) Tetrachloroethene	11.21	164	1462025	8.322	ppbv	99
53) Toluene	9.80	91	4276145	9.469	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2224447	9.657	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.12	131	1810972	9.976	ppbv #	57
57) Chlorobenzene	12.14	112	3194639	9.487	ppbv	95
58) Ethyl Benzene	12.70	91	5692329	9.958	ppbv	98
59) m/p-Xylene	12.99	91	9555650m	19.727	ppbv	
60) o-Xylene	13.68	91	4546104	9.856	ppbv	99
61) Styrene	13.52	104	2571507	10.802	ppbv	98
62) Isopropylbenzene	14.66	105	6369932	9.712	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	3051490	9.936	ppbv	100
64) n-propylbenzene	15.55	120	1689666	10.287	ppbv	96
65) tert-Butylbenzene	16.74	119	5720631	9.834	ppbv	99
66) Benzyl Chloride	16.98	91	275243m	11.166	ppbv	
67) sec-Butylbenzene	17.28	105	7648126	9.860	ppbv	100
69) p-Isopropyltoluene	17.65	119	6614833	10.096	ppbv	99
70) n-Butylbenzene	18.54	91	6328781	10.437	ppbv	99
71) 2-Chlorotoluene	15.45	91	4667562	10.179	ppbv	98
72) 4-Ethyltoluene	15.83	105	5491392	10.480	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4991937	9.856	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	5142760	9.854	ppbv	96
75) 1,3-Dichlorobenzene	16.99	146	3138886	9.892	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	3106548	9.802	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	3014955	9.822	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1937751	7.342	ppbv	99
79) Naphthalene	22.19	128	3797713	8.728	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	588037	5.153	ppbv	94
81) 1,2,4-Trichlorobenzene	21.92	180	2247674	8.952	ppbv	99

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

