

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062221\
 Data File : VL037219.D
 Acq On : 22 Jun 2021 16:33
 Operator : SY/AP
 Sample : VL0622ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/24/2021 4:32:48 PM

Quant Time: Jun 23 12:07:07 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	5.69	49	1616968	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.20	114	4800922	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4437136m	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3435739	10.22	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	2524545	8.977 ppbv	100
3) Chlorodifluoromethane	3.00	51	2700230	8.588 ppbv	100
4) Chloromethane	3.15	50	897865	8.569 ppbv	98
5) Vinyl Chloride	3.27	62	1010332	8.773 ppbv	100
6) Bromomethane	3.49	94	547856	7.974 ppbv	99
7) Chloroethane	3.57	64	361722	8.787 ppbv	98
8) Dichlorotetrafluoroethane	3.20	85	2562531	8.883 ppbv	98
9) Propene	3.02	41	864674	8.601 ppbv	100
10) Heptane	8.14	43	2214564	9.096 ppbv	99
11) Trichlorofluoromethane	3.96	101	2689884	8.964 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1955046	9.243 ppbv	98
13) Ethanol	3.62	45	114823m	7.383 ppbv	
14) Bromoethene	3.75	108	807872	9.151 ppbv	100
15) Acetone	3.86	43	1315060	7.212 ppbv	99
16) 1,3-Butadiene	3.34	39	980517	9.096 ppbv	100
17) tert-Butyl alcohol	4.31	59	1609281	9.549 ppbv	99
18) 1,1-Dichloroethene	4.30	96	864738	9.226 ppbv	99
19) Isopropyl Alcohol	3.99	45	852289	7.717 ppbv	99
20) Methylene Chloride	4.36	84	770063m	7.054 ppbv	
21) Allyl Chloride	4.43	41	1220070	8.877 ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	877515	9.461 ppbv	98
23) Vinyl Acetate	5.09	43	2057682	7.870 ppbv	99
24) 1,1-Dichloroethane	5.03	63	1781107	8.461 ppbv	99
25) Ethyl Acetate	5.70	43	3467985	8.785 ppbv	99
26) Hexane	5.70	57	1675836	8.400 ppbv	99
27) Carbon Disulfide	4.57	76	2057147	10.524 ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1932798	8.058 ppbv	98
29) Chloroform	5.77	83	2749630	8.922 ppbv	98
30) Cyclohexane	7.15	84	1509912	9.083 ppbv	97
31) cis-1,2-Dichloroethene	5.57	61	1678927	9.158 ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	2881857	8.738 ppbv	100
34) 2-Butanone	5.26	43	1559557	8.353 ppbv	98
35) Carbon Tetrachloride	7.04	117	3089749	9.595 ppbv	99
36) Benzene	6.91	78	3483613	8.973 ppbv	99
37) 1,2-Dichloroethane	6.33	62	2075485	9.203 ppbv	100
38) Trichloroethene	7.85	130	1476542	8.001 ppbv	98
39) 1,2-Dichloropropane	7.63	63	1340327	9.291 ppbv	99
40) 1,4-Dioxane	7.86	88	320468	8.101 ppbv	62
41) Tetrahydrofuran	6.07	42	804188	9.273 ppbv	99
42) Bromodichloromethane	7.81	83	2938970	9.446 ppbv	98
43) Methyl Methacrylate	8.03	69	1269189	9.466 ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5777443	8.838	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	924680	7.817	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1215490	7.512	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1492489	9.069	ppbv	97
48) Dibromochloromethane	10.33	129	2700274	10.394	ppbv	99
49) Bromoform	13.06	173	2243067	11.589	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2462220	9.601	ppbv	100
51) 2-Hexanone	10.16	43	1287158	10.315	ppbv	99
52) Tetrachloroethene	11.24	164	1446973	8.021	ppbv	97
53) Toluene	9.83	91	4210298	9.079	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2195981	9.284	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.15	131	1836866	9.468	ppbv #	59
57) Chlorobenzene	12.17	112	3176379	8.827	ppbv	98
58) Ethyl Benzene	12.73	91	5630962	9.218	ppbv	99
59) m/p-Xylene	13.01	91	9469758m	18.294	ppbv	
60) o-Xylene	13.71	91	4496641	9.123	ppbv	100
61) Styrene	13.55	104	2569978	10.103	ppbv	99
62) Isopropylbenzene	14.69	105	6323760	9.023	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	3007552	9.164	ppbv	99
64) n-propylbenzene	15.58	120	1694827	9.656	ppbv	99
65) tert-Butylbenzene	16.77	119	5708244	9.183	ppbv	100
66) Benzyl Chloride	17.01	91	192361	7.302	ppbv	95
67) sec-Butylbenzene	17.32	105	7580258	9.145	ppbv	100
69) p-Isopropyltoluene	17.67	119	6601665	9.429	ppbv	100
70) n-Butylbenzene	18.57	91	6257987	9.657	ppbv	99
71) 2-Chlorotoluene	15.47	91	4620117	9.428	ppbv	99
72) 4-Ethyltoluene	15.86	105	5466377	9.762	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4940933	9.129	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	5128827	9.196	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	3105494	9.158	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3015258	8.903	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	2999437	9.144	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1989840	7.055	ppbv	100
79) Naphthalene	22.22	128	3842952	8.265	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	835456	6.851	ppbv	93
81) 1,2,4-Trichlorobenzene	21.95	180	2244130	8.364	ppbv	99

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

