

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061721\
 Data File : VL037197.D
 Acq On : 17 Jun 2021 12:10
 Operator : SY/AP
 Sample : VL0617ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0617ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/21/2021 12:53:51 PM

Quant Time: Jun 18 01:59:57 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	5.67	49	1431285	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4304262	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3902132m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3096268	10.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2509719	10.082	ppbv 97
3) Chlorodifluoromethane	2.99	51	2630711	9.452	ppbv 99
4) Chloromethane	3.14	50	897653	9.678	ppbv 97
5) Vinyl Chloride	3.26	62	983256	9.646	ppbv 98
6) Bromomethane	3.47	94	590160	9.704	ppbv 96
7) Chloroethane	3.56	64	349814	9.600	ppbv 100
8) Dichlorotetrafluoroethane	3.19	85	2513894	9.845	ppbv 99
9) Propene	3.01	41	839942	9.439	ppbv 100
10) Heptane	8.12	43	2156823	10.008	ppbv 100
11) Trichlorofluoromethane	3.95	101	2659135	10.012	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1853753	9.901	ppbv 100
13) Ethanol	3.62	45	100129m	7.274	ppbv
14) Bromoethene	3.74	108	773232	9.895	ppbv 98
15) Acetone	3.85	43	1322513	8.194	ppbv 98
16) 1,3-Butadiene	3.33	39	968098	10.146	ppbv 100
17) tert-Butyl alcohol	4.29	59	1430251	9.588	ppbv 100
18) 1,1-Dichloroethene	4.29	96	836142	10.078	ppbv 96
19) Isopropyl Alcohol	3.97	45	789818	8.079	ppbv 98
20) Methylene Chloride	4.34	84	684238	7.081	ppbv 97
21) Allyl Chloride	4.41	41	1238037	10.176	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	824842	10.047	ppbv 96
23) Vinyl Acetate	5.07	43	2360916	10.201	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1838699	9.868	ppbv 99
25) Ethyl Acetate	5.68	43	3397257	9.723	ppbv 100
26) Hexane	5.69	57	1634660	9.256	ppbv 99
27) Carbon Disulfide	4.55	76	1940341	11.214	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	2138475	10.072	ppbv 100
29) Chloroform	5.75	83	2666319	9.774	ppbv 96
30) Cyclohexane	7.13	84	1456846	9.901	ppbv 97
31) cis-1,2-Dichloroethene	5.55	61	1662568	10.245	ppbv 99
32) 1,1,1-Trichloroethane	6.51	97	2779225	9.520	ppbv 100
34) 2-Butanone	5.25	43	1587738	9.485	ppbv 99
35) Carbon Tetrachloride	7.02	117	2982115	10.330	ppbv 98
36) Benzene	6.89	78	3402385	9.775	ppbv 99
37) 1,2-Dichloroethane	6.31	62	2021013	9.996	ppbv 100
38) Trichloroethene	7.83	130	1441150	8.711	ppbv 98
39) 1,2-Dichloropropane	7.62	63	1291667	9.987	ppbv 98
40) 1,4-Dioxane	7.83	88	327411	9.231	ppbv 75
41) Tetrahydrofuran	6.05	42	794212	10.214	ppbv 99
42) Bromodichloromethane	7.79	83	2838228	10.175	ppbv 98
43) Methyl Methacrylate	8.01	69	1235455	10.278	ppbv 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5625854	9.599	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1267559	11.952	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1607670	11.082	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1458879	9.887	ppbv	98
48) Dibromochloromethane	10.30	129	2585490	11.101	ppbv	99
49) Bromoform	13.04	173	2109663	12.157	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2376984	10.338	ppbv	100
51) 2-Hexanone	10.14	43	1210382	10.819	ppbv	99
52) Tetrachloroethene	11.22	164	1428728	8.834	ppbv	97
53) Toluene	9.81	91	4100985	9.864	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2178638	10.274	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1766371	10.353	ppbv	98
57) Chlorobenzene	12.15	112	3114573	9.842	ppbv	98
58) Ethyl Benzene	12.71	91	5455618	10.156	ppbv	98
59) m/p-Xylene	13.00	91	9233771m	20.284	ppbv	
60) o-Xylene	13.69	91	4367155	10.075	ppbv	100
61) Styrene	13.53	104	2502458	11.186	ppbv	98
62) Isopropylbenzene	14.67	105	6130176	9.945	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2965389	10.274	ppbv	100
64) n-propylbenzene	15.56	120	1649072	10.683	ppbv	98
65) tert-Butylbenzene	16.74	119	5614801	10.271	ppbv	100
66) Benzyl Chloride	16.99	91	273815	11.820	ppbv	98
67) sec-Butylbenzene	17.29	105	7489570	10.274	ppbv	100
69) p-Isopropyltoluene	17.65	119	6548538	10.635	ppbv	100
70) n-Butylbenzene	18.55	91	6161053	10.811	ppbv	100
71) 2-Chlorotoluene	15.45	91	4494571	10.430	ppbv	99
72) 4-Ethyltoluene	15.84	105	5342192	10.849	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4839874	10.168	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	5082755	10.363	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	3145793	10.549	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	3098054	10.401	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	3035463	10.522	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1998656	8.058	ppbv	99
79) Naphthalene	22.20	128	3909578	9.561	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	964028	8.989	ppbv	96
81) 1,2,4-Trichlorobenzene	21.93	180	2211803	9.373	ppbv	98

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

