

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041321\
 Data File : VL036814.D
 Acq On : 13 Apr 2021 23:18
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VIBLK

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/14/2021
 Supervised By : Mahesh Dadoda 04/14/2021

Quant Time: Apr 14 08:22:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1233064	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3202743	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2513323	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1661040	8.29	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.90%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.04	85	19287	0.096	ppbv	95
3) Chlorodifluoromethane	2.98	51	34238	0.149	ppbv	94
4) Chloromethane	3.13	50	12556m	0.154	ppbv	
5) Vinyl Chloride	3.25	62	11330m	0.135	ppbv	
6) Bromomethane	3.47	94	7060m	0.153	ppbv	
7) Chloroethane	3.56	64	4443m	0.155	ppbv	
8) Dichlorotetrafluoroethane	3.18	85	26759	0.139	ppbv	86
9) Propene	3.01	41	18216m	0.248	ppbv	
10) Heptane	8.11	43	20897m	0.112	ppbv	
11) Trichlorofluoromethane	3.95	101	29211m	0.143	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.48	101	20344m	0.155	ppbv	
13) Ethanol	3.62	45	4497m	0.514	ppbv	
14) Bromoethene	3.74	108	8385m	0.154	ppbv	
15) Acetone	3.86	43	99238m	0.818	ppbv	
16) 1,3-Butadiene	3.32	39	17811m	0.211	ppbv	
17) tert-Butyl alcohol	4.33	59	20768m	0.197	ppbv	
18) 1,1-Dichloroethene	4.28	96	9024m	0.155	ppbv	
19) Isopropyl Alcohol	3.99	45	13945m	0.209	ppbv	
20) Methylene Chloride	4.34	84	21846m	0.384	ppbv	
21) Allyl Chloride	4.41	41	12960m	0.134	ppbv	
22) trans-1,2-Dichloroethene	4.88	96	9021m	0.167	ppbv	
23) Vinyl Acetate	5.07	43	33369	0.161	ppbv #	91
24) 1,1-Dichloroethane	5.01	63	23611m	0.156	ppbv	
25) Ethyl Acetate	5.69	43	45703m	0.158	ppbv	
26) Hexane	5.69	57	23055m	0.172	ppbv	
27) Carbon Disulfide	4.55	76	14443m	0.109	ppbv	
28) Methyl tert-Butyl Ether	5.05	73	21037	0.133	ppbv #	77
29) Chloroform	5.74	83	32094m	0.150	ppbv	
30) Cyclohexane	7.13	84	20922m	0.193	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	17268m	0.133	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	28162m	0.130	ppbv	
34) 2-Butanone	5.26	43	32694m	0.209	ppbv	
35) Carbon Tetrachloride	7.02	117	27636m	0.112	ppbv	
36) Benzene	6.88	78	39434m	0.134	ppbv	
37) 1,2-Dichloroethane	6.30	62	20194m	0.116	ppbv	
38) Trichloroethene	7.83	130	15377m	0.134	ppbv	
39) 1,2-Dichloropropane	7.61	63	17028m	0.142	ppbv	
40) 1,4-Dioxane	7.91	88	5059m	0.181	ppbv	
41) Tetrahydrofuran	6.08	42	8160m	0.113	ppbv	
42) Bromodichloromethane	7.79	83	26587m	0.112	ppbv	
43) Methyl Methacrylate	8.02	69	9623m	0.097	ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	57497	0.111	ppbv	91
52) Tetrachloroethene	11.21	164	12996m	0.119	ppbv	
53) Toluene	9.80	91	30199	0.096	ppbv	94
54) 1,2-Dibromoethane	10.61	107	19926m	0.116	ppbv	
57) Chlorobenzene	12.14	112	33073m	0.155	ppbv	
58) Ethyl Benzene	12.71	91	39933m	0.109	ppbv	
59) m/p-Xylene	13.00	91	64602m	0.203	ppbv	
60) o-Xylene	13.69	91	37100m	0.120	ppbv	
62) Isopropylbenzene	14.66	105	54607m	0.131	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.68	83	32260m	0.137	ppbv	
64) n-propylbenzene	15.56	120	12015m	0.118	ppbv	
65) tert-Butylbenzene	16.75	119	42288m	0.117	ppbv	
67) sec-Butylbenzene	17.30	105	57892m	0.114	ppbv	
69) p-Isopropyltoluene	17.65	119	47951m	0.121	ppbv	
70) n-Butylbenzene	18.56	91	44714m	0.109	ppbv	
71) 2-Chlorotoluene	15.46	91	37259m	0.120	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	34030m	0.101	ppbv	
75) 1,3-Dichlorobenzene	17.00	146	27237m	0.143	ppbv	
76) 1,4-Dichlorobenzene	17.15	146	26536m	0.141	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	26918m	0.151	ppbv	
78) Hexachloro-1,3-Butadiene	23.39	225	24004m	0.150	ppbv	

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

