

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102021\
 Data File : VL037886.D
 Acq On : 20 Oct 2021 14:02
 Operator : SY/AP
 Sample : VL1020ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL1020ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/09/2021
 Supervised By : Mahesh Dadoda 11/09/2021

Quant Time: Oct 25 11:48:33 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1198441	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3569971	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3536521m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2287847	9.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1870291	9.770	ppbv 99
3) Chlorodifluoromethane	2.99	51	2462384	10.693	ppbv 99
4) Chloromethane	3.14	50	947518	11.234	ppbv 99
5) Vinyl Chloride	3.26	62	920676	11.908	ppbv 98
6) Bromomethane	3.47	94	444416	10.626	ppbv 94
7) Chloroethane	3.56	64	297100	10.451	ppbv 99
8) Dichlorotetrafluoroethane	3.19	85	2095714	11.077	ppbv 99
9) Propene	3.01	41	876215	10.341	ppbv 99
10) Heptane	8.12	43	2318964	12.051	ppbv 99
11) Trichlorofluoromethane	3.95	101	1869651	10.947	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1394487	10.776	ppbv 99
13) Ethanol	3.61	45	65775	9.493	ppbv 91
14) Bromoethene	3.74	108	641980	11.283	ppbv 94
15) Acetone	3.85	43	1322631	12.294	ppbv 98
16) 1,3-Butadiene	3.33	39	869934	11.113	ppbv 98
17) tert-Butyl alcohol	4.29	59	1234976	11.146	ppbv 99
18) 1,1-Dichloroethene	4.29	96	643192	10.937	ppbv 96
19) Isopropyl Alcohol	3.96	45	674969	10.085	ppbv # 94
20) Methylene Chloride	4.34	84	516376	9.499	ppbv 99
21) Allyl Chloride	4.41	41	1019058	10.692	ppbv 99
22) trans-1,2-Dichloroethene	4.88	96	658482	11.137	ppbv 98
23) Vinyl Acetate	5.07	43	1710543	10.610	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1309653	11.159	ppbv 99
25) Ethyl Acetate	5.67	43	3442194	11.402	ppbv 100
26) Hexane	5.69	57	1629871	10.964	ppbv 98
27) Carbon Disulfide	4.55	76	1600258	12.147	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1279379	10.337	ppbv 98
29) Chloroform	5.75	83	2345717	11.039	ppbv 97
30) Cyclohexane	7.13	84	1377363	10.926	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1493669	11.068	ppbv 99
32) 1,1,1-Trichloroethane	6.51	97	2213221	10.986	ppbv 100
34) 2-Butanone	5.25	43	1488375	10.327	ppbv 98
35) Carbon Tetrachloride	7.02	117	2316404	11.425	ppbv 100
36) Benzene	6.89	78	3394713	11.133	ppbv 98
37) 1,2-Dichloroethane	6.31	62	1611993	11.227	ppbv 100
38) Trichloroethene	7.83	130	1355657	11.253	ppbv 97
39) 1,2-Dichloropropane	7.61	63	1298281	11.319	ppbv 96
40) 1,4-Dioxane	7.84	88	255866m	8.915	ppbv
41) Tetrahydrofuran	6.05	42	787015	11.152	ppbv 98
42) Bromodichloromethane	7.79	83	2448238	11.609	ppbv 100
43) Methyl Methacrylate	8.01	69	1223125	12.281	ppbv 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5778924	11.280	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	786299	11.474	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1112025	11.707	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1397446	11.208	ppbv	98
48) Dibromochloromethane	10.30	129	2183125	12.282	ppbv	99
49) Bromoform	13.04	173	1769454	13.010	ppbv	95
50) 4-Methyl-2-Pentanone	8.74	43	2298748	12.252	ppbv	100
51) 2-Hexanone	10.13	43	1050973	12.548	ppbv #	99
52) Tetrachloroethene	11.22	164	1244986	10.494	ppbv	96
53) Toluene	9.80	91	3986642	11.797	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1923952	11.423	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1537915	10.505	ppbv	93
57) Chlorobenzene	12.15	112	3019283	10.407	ppbv	98
58) Ethyl Benzene	12.71	91	5096459	10.732	ppbv	100
59) m/p-Xylene	12.99	91	8734762m	21.428	ppbv	
60) o-Xylene	13.69	91	4116069	10.536	ppbv	99
61) Styrene	13.52	104	2202280	11.655	ppbv	100
62) Isopropylbenzene	14.66	105	5695835	10.453	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	3029905	10.051	ppbv	99
64) n-propylbenzene	15.56	120	1511768	11.126	ppbv	97
65) tert-Butylbenzene	16.74	119	5080453	10.595	ppbv	99
66) Benzyl Chloride	16.98	91	245551	10.376	ppbv #	99
67) sec-Butylbenzene	17.29	105	7150543	10.904	ppbv	99
69) p-Isopropyltoluene	17.65	119	6039541	11.391	ppbv	100
70) n-Butylbenzene	18.54	91	6007781	11.928	ppbv	99
71) 2-Chlorotoluene	15.45	91	4178796	10.860	ppbv	99
72) 4-Ethyltoluene	15.83	105	5013674	11.303	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	4592655	11.398	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	4739567	11.202	ppbv	95
75) 1,3-Dichlorobenzene	16.99	146	2945760	11.237	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2909443	11.635	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	2845489	11.300	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	2066926	10.053	ppbv	99
79) Naphthalene	22.19	128	3457989	13.345	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	823170	11.831	ppbv	98
81) 1,2,4-Trichlorobenzene	21.92	180	2110867m	12.737	ppbv	

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

