

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030321\
 Data File : VL036442.D
 Acq On : 3 Mar 2021 17:11
 Operator : SY/AP
 Sample : VL0303ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0303ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/04/2021
 Supervised By : Mahesh Dadoda 03/04/2021

Quant Time: Mar 04 03:15:29 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Wed Mar 03 14:18:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1678983	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4075869	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4021107m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3230031	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.05	85	2270832	9.786	ppbv	99
3) Chlorodifluoromethane	2.99	51	1782723	8.977	ppbv	100
4) Chloromethane	3.15	50	910128	9.644	ppbv	98
5) Vinyl Chloride	3.26	62	879751	9.873	ppbv	100
6) Bromomethane	3.48	94	509933	9.231	ppbv	95
7) Chloroethane	3.56	64	302908	9.025	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	2071541	9.088	ppbv	100
9) Propene	3.02	41	810978	9.372	ppbv	100
10) Heptane	8.14	43	2079078	9.745	ppbv	100
11) Trichlorofluoromethane	3.96	101	2223964	9.281	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1414464	9.255	ppbv	99
13) Ethanol	3.61	45	127939m	9.636	ppbv	
14) Bromoethene	3.75	108	612818	9.658	ppbv	99
15) Acetone	3.86	43	1641384	8.555	ppbv	99
16) 1,3-Butadiene	3.33	39	857050	9.261	ppbv	99
17) tert-Butyl alcohol	4.30	59	1391263	9.144	ppbv	100
18) 1,1-Dichloroethene	4.29	96	622970	9.166	ppbv	92
19) Isopropyl Alcohol	3.98	45	870845	8.076	ppbv #	97
20) Methylene Chloride	4.35	84	559045	8.644	ppbv	95
21) Allyl Chloride	4.42	41	1007680	9.314	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	556716	9.046	ppbv	97
23) Vinyl Acetate	5.09	43	2119198	9.759	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1659272	9.681	ppbv	100
25) Ethyl Acetate	5.69	43	3576583	9.587	ppbv	100
26) Hexane	5.70	57	1423156	9.323	ppbv	99
27) Carbon Disulfide	4.56	76	1578231	10.417	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	2018202	9.866	ppbv	99
29) Chloroform	5.77	83	2303965	9.225	ppbv	98
30) Cyclohexane	7.14	84	1201082	9.523	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1450133	9.835	ppbv	94
32) 1,1,1-Trichloroethane	6.53	97	2247906	8.958	ppbv	100
34) 2-Butanone	5.26	43	2225180	9.057	ppbv	100
35) Carbon Tetrachloride	7.03	117	2350023	8.923	ppbv	98
36) Benzene	6.91	78	2981662	9.428	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1761356	8.863	ppbv	100
38) Trichloroethene	7.85	130	1071025	8.961	ppbv	97
39) 1,2-Dichloropropane	7.63	63	1192727	8.869	ppbv	98
40) 1,4-Dioxane	7.85	88	357539	8.099	ppbv #	1
41) Tetrahydrofuran	6.06	42	1333687	9.733	ppbv	99
42) Bromodichloromethane	7.81	83	2458027	9.152	ppbv	100
43) Methyl Methacrylate	8.03	69	1307427	10.207	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5097776	8.840	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1381105	11.079	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1707654	10.493	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1193346	8.901	ppbv	97
48) Dibromochloromethane	10.32	129	1943733	9.574	ppbv	100
49) Bromoform	13.06	173	1536243	9.250	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	3479673	9.728	ppbv	100
51) 2-Hexanone	10.15	43	2763829	10.221	ppbv #	100
52) Tetrachloroethene	11.24	164	994847	8.388	ppbv	97
53) Toluene	9.82	91	3320962	9.750	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1733375	8.956	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1452036	8.149	ppbv	96
57) Chlorobenzene	12.17	112	2392646	8.238	ppbv	99
58) Ethyl Benzene	12.73	91	4439939	8.887	ppbv	100
59) m/p-Xylene	13.02	91	7488597m	16.952	ppbv	
60) o-Xylene	13.71	91	3498439	8.244	ppbv	99
61) Styrene	13.55	104	2460981	9.536	ppbv	100
62) Isopropylbenzene	14.69	105	5221580	8.160	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2372513	7.151	ppbv	100
64) n-propylbenzene	15.58	120	1337584	8.369	ppbv	100
65) tert-Butylbenzene	16.76	119	4342695	7.801	ppbv	100
66) Benzyl Chloride	17.01	91	1412710	9.090	ppbv	99
67) sec-Butylbenzene	17.32	105	6130491	7.886	ppbv	99
69) p-Isopropyltoluene	17.67	119	5057106	8.130	ppbv	99
70) n-Butylbenzene	18.57	91	5269858	8.196	ppbv	100
71) 2-Chlorotoluene	15.47	91	3956079	8.219	ppbv	99
72) 4-Ethyltoluene	15.86	105	3990978	8.659	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	3691418	8.255	ppbv	100
74) 1,2,4-Trimethylbenzene	16.79	105	3739064	7.875	ppbv	98
75) 1,3-Dichlorobenzene	17.02	146	2044404	7.754	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	1988407	7.547	ppbv	100
77) 1,2-Dichlorobenzene	17.84	146	1971288	7.636	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1762533	8.579	ppbv	98
79) Naphthalene	22.23	128	3539725	12.728	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	870429	14.475	ppbv	98
81) 1,2,4-Trichlorobenzene	21.96	180	1771341	11.081	ppbv	98

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

