

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032421\
 Data File : VL036468.D
 Acq On : 24 Mar 2021 16:36
 Operator :
 Sample : VL0324ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0324ABS01

Manual Integrations
 APPROVED

Quant Time: Mar 25 07:40:37 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

Reviewed By :Semsettin Yesilyurt 03/25/2021
 Supervised By :Mahesh Dadoda 03/25/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1604151	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3928281	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.09	117	3755195m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3020877	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1682549	7.589	ppbv 98
3) Chlorodifluoromethane	2.98	51	1832563	9.659	ppbv 100
4) Chloromethane	3.13	50	885666	9.823	ppbv 95
5) Vinyl Chloride	3.25	62	911298	10.705	ppbv 99
6) Bromomethane	3.47	94	503540	9.541	ppbv 95
7) Chloroethane	3.55	64	323519	10.088	ppbv 93
8) Dichlorotetrafluoroethane	3.18	85	1972707	9.058	ppbv 94
9) Propene	3.00	41	878510	10.626	ppbv 98
10) Heptane	8.12	43	2180014	10.695	ppbv 100
11) Trichlorofluoromethane	3.94	101	2232675	9.752	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1423296	9.748	ppbv 96
13) Ethanol	3.60	45	184252m	14.524	ppbv
14) Bromoethene	3.73	108	639810	10.554	ppbv 98
15) Acetone	3.84	43	1703431	9.292	ppbv 98
16) 1,3-Butadiene	3.32	39	907808	10.267	ppbv 99
17) tert-Butyl alcohol	4.28	59	1832855	12.609	ppbv 99
18) 1,1-Dichloroethene	4.28	96	649747	10.006	ppbv 93
19) Isopropyl Alcohol	3.96	45	1262063	12.250	ppbv 99
20) Methylene Chloride	4.34	84	575673	9.316	ppbv 99
21) Allyl Chloride	4.40	41	1113990	10.777	ppbv 100
22) trans-1,2-Dichloroethene	4.88	96	633310	10.771	ppbv 96
23) Vinyl Acetate	5.07	43	2305023	11.110	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1681411	10.268	ppbv 100
25) Ethyl Acetate	5.67	43	3728525	10.461	ppbv 99
26) Hexane	5.68	57	1505107	10.320	ppbv 99
27) Carbon Disulfide	4.54	76	1659350	11.464	ppbv 98
28) Methyl tert-Butyl Ether	5.02	73	2118554	10.840	ppbv 100
29) Chloroform	5.75	83	2367956	9.924	ppbv 100
30) Cyclohexane	7.13	84	1268971	10.530	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1556808	11.051	ppbv 94
32) 1,1,1-Trichloroethane	6.51	97	2356343	9.828	ppbv 99
34) 2-Butanone	5.24	43	2388512	10.087	ppbv 99
35) Carbon Tetrachloride	7.01	117	2426252	9.559	ppbv 98
36) Benzene	6.89	78	3185663	10.451	ppbv 98
37) 1,2-Dichloroethane	6.30	62	1848763	9.652	ppbv 99
38) Trichloroethene	7.83	130	1149675	9.980	ppbv 98
39) 1,2-Dichloropropane	7.61	63	1272635	9.818	ppbv 94
40) 1,4-Dioxane	7.83	88	449996	10.576	ppbv 82
41) Tetrahydrofuran	6.04	42	1475028	11.169	ppbv 99
42) Bromodichloromethane	7.79	83	2525228	9.756	ppbv 98
43) Methyl Methacrylate	8.01	69	1415438	11.466	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5379986	9.680	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1520943	12.659	ppbv	95
46) cis-1,3-Dichloropropene	8.70	75	1853516	11.817	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1287657	9.966	ppbv	95
48) Dibromochloromethane	10.30	129	2175134	11.117	ppbv	100
49) Bromoform	13.04	173	1805721	11.281	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	3661514	10.621	ppbv	99
51) 2-Hexanone	10.13	43	2985283	11.455	ppbv #	99
52) Tetrachloroethene	11.22	164	1101202	9.633	ppbv	96
53) Toluene	9.80	91	3554153	10.826	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1934940	10.373	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1605567	9.648	ppbv	97
57) Chlorobenzene	12.15	112	2590268	9.550	ppbv	96
58) Ethyl Benzene	12.71	91	4782171	10.249	ppbv	100
59) m/p-Xylene	12.99	91	8080340m	19.587	ppbv	
60) o-Xylene	13.69	91	3777412	9.531	ppbv	98
61) Styrene	13.53	104	2763356	11.466	ppbv	100
62) Isopropylbenzene	14.67	105	5730644	9.590	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2637534	8.512	ppbv	99
64) n-propylbenzene	15.56	120	1515754	10.155	ppbv	97
65) tert-Butylbenzene	16.75	119	4935576	9.494	ppbv	100
66) Benzyl Chloride	16.99	91	1809424	12.467	ppbv	99
67) sec-Butylbenzene	17.29	105	6913823	9.523	ppbv	100
69) p-Isopropyltoluene	17.65	119	5703520	9.818	ppbv	99
70) n-Butylbenzene	18.55	91	5836588	9.720	ppbv	99
71) 2-Chlorotoluene	15.45	91	4428950	9.853	ppbv	99
72) 4-Ethyltoluene	15.84	105	4379164	10.174	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4160570	9.963	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4234915	9.551	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	2375974	9.649	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2361907	9.599	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2291684	9.506	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1689683	8.807	ppbv	99
79) Naphthalene	22.20	128	3170159	12.206	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	1285664	22.894	ppbv	98
81) 1,2,4-Trichlorobenzene	21.93	180	1700681	11.392	ppbv	95

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

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