

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036470.D
 Acq On : 25 Mar 2021 2:01
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Quant Time: Mar 25 08:50:57 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Mar 25 07:52:30 2021
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 04/01/2021
 Supervised By :Amit Patel 04/01/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1615984	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3985552	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3583707m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2994303	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2466477	10.564	ppbv	100
3) Chlorodifluoromethane	2.99	51	2721525	12.905	ppbv	100
4) Chloromethane	3.14	50	997303	10.691	ppbv	100
5) Vinyl Chloride	3.26	62	1017231	11.527	ppbv	100
6) Bromomethane	3.47	94	568454	10.390	ppbv	100
7) Chloroethane	3.56	64	339527	10.301	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	2324879	10.291	ppbv	100
9) Propene	3.01	41	924400	10.767	ppbv	100
10) Heptane	8.13	43	2386899	11.250	ppbv	99
11) Trichlorofluoromethane	3.95	101	2469465	10.414	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1629334	10.705	ppbv	100
13) Ethanol	3.61	45	112526m	9.139	ppbv	
14) Bromoethene	3.74	108	693227	10.993	ppbv	100
15) Acetone	3.85	43	1387297	7.695	ppbv	100
16) 1,3-Butadiene	3.32	39	1057270	11.314	ppbv	100
17) tert-Butyl alcohol	4.29	59	1331616	9.223	ppbv	99
18) 1,1-Dichloroethene	4.29	96	725405	10.663	ppbv	100
19) Isopropyl Alcohol	3.97	45	832606	8.274	ppbv #	98
20) Methylene Chloride	4.34	84	643495	9.922	ppbv	100
21) Allyl Chloride	4.41	41	1251329	11.507	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	695045	11.211	ppbv	100
23) Vinyl Acetate	5.08	43	2695560	12.284	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1898759	11.101	ppbv	100
25) Ethyl Acetate	5.68	43	3573030	9.892	ppbv	100
26) Hexane	5.69	57	1681018	11.022	ppbv	99
27) Carbon Disulfide	4.55	76	1764015	11.746	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	2051659	10.285	ppbv	100
29) Chloroform	5.75	83	2603041	10.523	ppbv	100
30) Cyclohexane	7.13	84	1418743	11.249	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	1700580	11.513	ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	2646801	10.680	ppbv	100
34) 2-Butanone	5.25	43	1844093	7.923	ppbv	100
35) Carbon Tetrachloride	7.02	117	2714820	10.353	ppbv	100
36) Benzene	6.90	78	3458149	10.892	ppbv	100
37) 1,2-Dichloroethane	6.31	62	2025317	10.211	ppbv	99
38) Trichloroethene	7.84	130	1236202	10.375	ppbv	100
39) 1,2-Dichloropropane	7.62	63	1389388	10.252	ppbv	100
40) 1,4-Dioxane	7.84	88	312399	7.544	ppbv	100
41) Tetrahydrofuran	6.05	42	917175m	7.428	ppbv	
42) Bromodichloromethane	7.80	83	2825895	10.541	ppbv	100
43) Methyl Methacrylate	8.02	69	1284051	10.340	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5773083	10.036	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1533519	12.359	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1892104	11.676	ppbv	100
47) 1,1,2-Trichloroethane	9.48	97	1387441	10.350	ppbv	100
48) Dibromochloromethane	10.31	129	2319151	11.395	ppbv	100
49) Bromoform	13.05	173	1904178	11.465	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2815367	8.396	ppbv	100
51) 2-Hexanone	10.14	43	1567393	6.582	ppbv	100
52) Tetrachloroethene	11.23	164	1192130	10.075	ppbv	100
53) Toluene	9.81	91	3887028	11.356	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2017679	10.464	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.13	131	1547473	9.659	ppbv	97
57) Chlorobenzene	12.15	112	2786247	10.447	ppbv	100
58) Ethyl Benzene	12.72	91	5155245	11.213	ppbv	100
59) m/p-Xylene	13.00	91	8646014m	21.396	ppbv	
60) o-Xylene	13.70	91	4082766	10.519	ppbv	100
61) Styrene	13.54	104	2467515	10.809	ppbv	100
62) Isopropylbenzene	14.67	105	5537234	9.634	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2872058	9.567	ppbv	100
64) n-propylbenzene	15.57	120	1424247	9.952	ppbv	100
65) tert-Butylbenzene	16.75	119	4764372	9.533	ppbv	100
66) Benzyl Chloride	17.00	91	617871	5.286	ppbv	100
67) sec-Butylbenzene	17.30	105	6644069	9.534	ppbv	100
69) p-Isopropyltoluene	17.66	119	5459729	9.790	ppbv	100
70) n-Butylbenzene	18.56	91	5625202	9.767	ppbv	100
71) 2-Chlorotoluene	15.46	91	4268965	9.912	ppbv	100
72) 4-Ethyltoluene	15.85	105	4733241	11.202	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	4336643	10.651	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	4396804	10.176	ppbv	100
75) 1,3-Dichlorobenzene	17.00	146	2527647	10.454	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2467478	10.225	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	2376153	10.104	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1869750	9.797	ppbv	100
79) Naphthalene	22.20	128	3295206	12.808	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	872116	15.928	ppbv	99
81) 1,2,4-Trichlorobenzene	21.94	180	1823353	12.127	ppbv	98

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

