

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030321\
 Data File : VL036440.D
 Acq On : 3 Mar 2021 15:14
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 ICVVL030321

Manual Integrations
 APPROVED

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

Quant Time: Mar 03 15:49:02 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	1695033	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4185314	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3753565m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3198611	10.36	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2182711	9.317	ppbv 98
3) Chlorodifluoromethane	2.99	51	1786204	8.910	ppbv 99
4) Chloromethane	3.15	50	923457	9.693	ppbv 96
5) Vinyl Chloride	3.27	62	885705	9.846	ppbv 98
6) Bromomethane	3.48	94	518129	9.291	ppbv 92
7) Chloroethane	3.56	64	314357	9.277	ppbv 99
8) Dichlorotetrafluoroethane	3.20	85	2063050	8.965	ppbv 97
9) Propene	3.01	41	830697	9.509	ppbv 100
10) Heptane	8.14	43	2145517	9.961	ppbv 99
11) Trichlorofluoromethane	3.96	101	2198911	9.090	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1458122	9.451	ppbv 99
13) Ethanol	3.62	45	123699	9.228	ppbv 89
14) Bromoethene	3.75	108	623984	9.741	ppbv 97
15) Acetone	3.86	43	1682635	8.687	ppbv 99
16) 1,3-Butadiene	3.33	39	878846	9.406	ppbv 99
17) tert-Butyl alcohol	4.30	59	1566232	10.197	ppbv 99
18) 1,1-Dichloroethene	4.30	96	640602	9.336	ppbv 98
19) Isopropyl Alcohol	3.98	45	1035868	9.515	ppbv 99
20) Methylene Chloride	4.36	84	549298	8.413	ppbv 97
21) Allyl Chloride	4.42	41	1068906	9.787	ppbv 94
22) trans-1,2-Dichloroethene	4.90	96	610561	9.827	ppbv 94
23) Vinyl Acetate	5.09	43	2207204	10.068	ppbv 98
24) 1,1-Dichloroethane	5.02	63	1679771	9.708	ppbv 99
25) Ethyl Acetate	5.69	43	3660857	9.720	ppbv 100
26) Hexane	5.70	57	1469631	9.536	ppbv 98
27) Carbon Disulfide	4.56	76	1548244	10.123	ppbv 97
28) Methyl tert-Butyl Ether	5.04	73	2171527	10.515	ppbv 99
29) Chloroform	5.77	83	2302461	9.132	ppbv 100
30) Cyclohexane	7.14	84	1240092	9.739	ppbv 100
31) cis-1,2-Dichloroethene	5.56	61	1525854	10.250	ppbv 95
32) 1,1,1-Trichloroethane	6.53	97	2290318	9.040	ppbv 99
34) 2-Butanone	5.26	43	2245642	8.902	ppbv 98
35) Carbon Tetrachloride	7.03	117	2355233	8.709	ppbv 98
36) Benzene	6.91	78	3066640	9.443	ppbv 99
37) 1,2-Dichloroethane	6.32	62	1804236	8.841	ppbv 100
38) Trichloroethene	7.85	130	1104091	8.996	ppbv 98
39) 1,2-Dichloropropane	7.63	63	1215551	8.802	ppbv 99
40) 1,4-Dioxane	7.85	88	392560	8.660	ppbv # 1
41) Tetrahydrofuran	6.06	42	1387929	9.864	ppbv 98
42) Bromodichloromethane	7.81	83	2534341	9.190	ppbv 99
43) Methyl Methacrylate	8.03	69	1372750	10.437	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5177408	8.743	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1460104	11.407	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1773130	10.610	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	1240346	9.010	ppbv	94
48) Dibromochloromethane	10.33	129	2061618	9.889	ppbv	99
49) Bromoform	13.06	173	1756966	10.302	ppbv	98
50) 4-Methyl-2-Pentanone	8.76	43	3573875	9.731	ppbv	100
51) 2-Hexanone	10.15	43	2927259	10.543	ppbv	100
52) Tetrachloroethene	11.24	164	1059285	8.697	ppbv	98
53) Toluene	9.82	91	3441957	9.841	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1855915	9.338	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	1527501	9.183	ppbv #	63
57) Chlorobenzene	12.17	112	2502854	9.232	ppbv	98
58) Ethyl Benzene	12.73	91	4662162	9.996	ppbv	99
59) m/p-Xylene	13.01	91	7824005m	18.974	ppbv	
60) o-Xylene	13.72	91	3688687	9.312	ppbv	99
61) Styrene	13.55	104	2656612	11.028	ppbv	100
62) Isopropylbenzene	14.69	105	5576553	9.336	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2595507	8.380	ppbv	100
64) n-propylbenzene	15.58	120	1466907	9.832	ppbv	97
65) tert-Butylbenzene	16.77	119	4769762	9.179	ppbv	99
66) Benzyl Chloride	17.01	91	1743647	12.019	ppbv	99
67) sec-Butylbenzene	17.32	105	6708839	9.245	ppbv	100
69) p-Isopropyltoluene	17.68	119	5550933	9.560	ppbv	99
70) n-Butylbenzene	18.57	91	5660225	9.430	ppbv	99
71) 2-Chlorotoluene	15.48	91	4321952	9.619	ppbv	100
72) 4-Ethyltoluene	15.86	105	4298525	9.991	ppbv	100
73) 1,3,5-Trimethylbenzene	16.02	105	4085026	9.786	ppbv	100
74) 1,2,4-Trimethylbenzene	16.79	105	4085097	9.217	ppbv	99
75) 1,3-Dichlorobenzene	17.02	146	2290789	9.307	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	2215396	9.007	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2184742	9.066	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1587241	8.277	ppbv	99
79) Naphthalene	22.22	128	3003098	11.568	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	831413	14.811	ppbv	97
81) 1,2,4-Trichlorobenzene	21.95	180	1562566	10.471	ppbv	100

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

