

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030321\
 Data File : VL036439.D
 Acq On : 3 Mar 2021 13:24
 Operator : SY/AP
 Sample : VSTDICC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Quant Time: Mar 03 14:10:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Wed Mar 03 10:40:25 2021
 Response via : Initial Calibration

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1672504	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4087066	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.10	117	3822740	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3266661	10.39	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.90%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2699824	10.816	ppbv	98
3) Chlorodifluoromethane	3.00	51	2710978	13.045	ppbv	100
4) Chloromethane	3.15	50	1332118	13.269	ppbv	95
5) Vinyl Chloride	3.26	62	1341582	14.350	ppbv	98
6) Bromomethane	3.48	94	780346	14.043	ppbv	95
7) Chloroethane	3.56	64	478437	14.413	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	2917218	12.850	ppbv	99
9) Propene	3.02	41	1245549	16.076	ppbv	99
10) Heptane	8.14	43	3159896	13.838	ppbv	100
11) Trichlorofluoromethane	3.96	101	3290024	13.460	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	2108097	13.923	ppbv	100
13) Ethanol	3.62	45	185417	12.741	ppbv	98
14) Bromoethene	3.75	108	938525	14.811	ppbv	100
15) Acetone	3.86	43	2516618	12.310	ppbv	100
16) 1,3-Butadiene	3.33	39	1346546	13.774	ppbv	98
17) tert-Butyl alcohol	4.30	59	1936113	12.200	ppbv	100
18) 1,1-Dichloroethene	4.30	96	948169	13.780	ppbv	97
19) Isopropyl Alcohol	3.98	45	1268157	11.196	ppbv	99
20) Methylene Chloride	4.36	84	822078	12.464	ppbv	98
21) Allyl Chloride	4.42	41	1562675	13.729	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	917609	14.681	ppbv	95
23) Vinyl Acetate	5.09	43	3221603	13.402	ppbv	99
24) 1,1-Dichloroethane	5.02	63	2482664	13.965	ppbv	99
25) Ethyl Acetate	5.69	43	5145489	13.037	ppbv	98
26) Hexane	5.70	57	2127676	13.120	ppbv	99
27) Carbon Disulfide	4.56	76	2413554	16.194	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	2969597	14.018	ppbv	99
29) Chloroform	5.77	83	3470885	13.285	ppbv	97
30) Cyclohexane	7.14	84	1843841	13.672	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	2200359	13.713	ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	3435519	14.066	ppbv	100
34) 2-Butanone	5.26	43	3419001	12.591	ppbv	99
35) Carbon Tetrachloride	7.03	117	3576110	13.055	ppbv	97
36) Benzene	6.91	78	4495598	12.949	ppbv	99
37) 1,2-Dichloroethane	6.32	62	2725377	12.697	ppbv	99
38) Trichloroethene	7.85	130	1580233	12.705	ppbv	98
39) 1,2-Dichloropropane	7.63	63	1818770	12.896	ppbv	97
40) 1,4-Dioxane	7.85	88	552469	11.306	ppbv	92
41) Tetrahydrofuran	6.06	42	2047042	13.508	ppbv	99
42) Bromodichloromethane	7.81	83	3747789	13.037	ppbv	98
43) Methyl Methacrylate	8.03	69	2036222	13.907	ppbv	100

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44) 2,2,4-Trimethylpentane	7.88	57	7438848	11.783	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	2215753	15.687	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	2677367	14.922	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	1834340	12.709	ppbv	97
48) Dibromochloromethane	10.32	129	3122075	14.496	ppbv	100
49) Bromoform	13.06	173	2651364	15.228	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	5193405	12.883	ppbv	99
51) 2-Hexanone	10.15	43	4400458	14.366	ppbv #	100
52) Tetrachloroethene	11.24	164	1541392m	12.127	ppbv	
53) Toluene	9.83	91	5063922	13.466	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2739803	13.136	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	2265837	12.887	ppbv #	67
57) Chlorobenzene	12.17	112	3700740	12.530	ppbv	99
58) Ethyl Benzene	12.73	91	6782540	12.957	ppbv	97
59) m/p-Xylene	13.01	91	11354378m	24.695	ppbv	
60) o-Xylene	13.72	91	5436472	12.367	ppbv	98
61) Styrene	13.55	104	4024931	14.773	ppbv	99
62) Isopropylbenzene	14.69	105	8051889	12.219	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	3888399	11.210	ppbv	100
64) n-propylbenzene	15.58	120	2195993	13.541	ppbv	90
65) tert-Butylbenzene	16.77	119	6925441	12.284	ppbv	99
66) Benzyl Chloride	17.01	91	2795002	18.235	ppbv	98
67) sec-Butylbenzene	17.32	105	9616996	11.828	ppbv	98
69) p-Isopropyltoluene	17.68	119	8047906	12.808	ppbv	99
70) n-Butylbenzene	18.57	91	8283520	12.293	ppbv	98
71) 2-Chlorotoluene	15.47	91	6374402	12.619	ppbv	99
72) 4-Ethyltoluene	15.86	105	6521317	13.330	ppbv	100
73) 1,3,5-Trimethylbenzene	16.02	105	6025303	12.705	ppbv	95
74) 1,2,4-Trimethylbenzene	16.79	105	5986974	12.366	ppbv	98
75) 1,3-Dichlorobenzene	17.02	146	3447919	13.120	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	3485278	12.771	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	3362099	12.896	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	2388632	11.215	ppbv	99
79) Naphthalene	22.23	128	4716898	16.435	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	1406571	26.469	ppbv	96
81) 1,2,4-Trichlorobenzene	21.95	180	2424286	13.845	ppbv	99

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

