

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030321\
 Data File : VL036435.D
 Acq On : 3 Mar 2021 10:52
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Quant Time: Mar 03 13:46:32 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	5.67	49	1714975	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4011665	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3725774	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3005613	9.80	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	261511	1.022	ppbv	90
3) Chlorodifluoromethane	2.99	51	211936	0.995	ppbv	97
4) Chloromethane	3.15	50	92332	0.897	ppbv	94
5) Vinyl Chloride	3.26	62	86814	0.906	ppbv	96
6) Bromomethane	3.48	94	55282	0.970	ppbv	92
7) Chloroethane	3.56	64	35691	1.049	ppbv	96
8) Dichlorotetrafluoroethane	3.19	85	249581	1.072	ppbv	96
9) Propene	3.01	41	84687	1.066	ppbv	89
10) Heptane	8.13	43	221792	0.947	ppbv	98
11) Trichlorofluoromethane	3.95	101	241836	0.965	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	156155	1.006	ppbv	94
13) Ethanol	3.63	45	12562m	0.842	ppbv	
14) Bromoethene	3.74	108	63748	0.981	ppbv	95
15) Acetone	3.86	43	216188m	1.031	ppbv	
16) 1,3-Butadiene	3.33	39	93780	0.936	ppbv	96
17) tert-Butyl alcohol	4.30	59	167018	1.026	ppbv	98
18) 1,1-Dichloroethene	4.29	96	71877m	1.019	ppbv	
19) Isopropyl Alcohol	3.98	45	127914m	1.101	ppbv	
20) Methylene Chloride	4.35	84	75687m	1.119	ppbv	
21) Allyl Chloride	4.42	41	108851	0.933	ppbv	91
22) trans-1,2-Dichloroethene	4.89	96	67796m	1.058	ppbv	
23) Vinyl Acetate	5.08	43	212767	0.863	ppbv #	98
24) 1,1-Dichloroethane	5.01	63	179607	0.985	ppbv	97
25) Ethyl Acetate	5.69	43	404414	0.999	ppbv	97
26) Hexane	5.69	57	161115	0.969	ppbv	92
27) Carbon Disulfide	4.56	76	144356	0.945	ppbv #	88
28) Methyl tert-Butyl Ether	5.05	73	207033	0.953	ppbv	96
29) Chloroform	5.76	83	268372	1.002	ppbv	89
30) Cyclohexane	7.14	84	136215m	0.985	ppbv	
31) cis-1,2-Dichloroethene	5.56	61	146925	0.893	ppbv	91
32) 1,1,1-Trichloroethane	6.52	97	253051	1.010	ppbv	100
34) 2-Butanone	5.26	43	224726	0.843	ppbv	92
35) Carbon Tetrachloride	7.03	117	257411m	0.957	ppbv	
36) Benzene	6.90	78	312577	0.917	ppbv	94
37) 1,2-Dichloroethane	6.31	62	205040m	0.973	ppbv	
38) Trichloroethene	7.85	130	119117m	0.976	ppbv	
39) 1,2-Dichloropropane	7.62	63	140750m	1.017	ppbv	
40) 1,4-Dioxane	7.87	88	50781m	1.059	ppbv	
41) Tetrahydrofuran	6.08	42	134004m	0.901	ppbv	
42) Bromodichloromethane	7.79	83	268523	0.952	ppbv #	93
43) Methyl Methacrylate	8.02	69	122077	0.849	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	605636	0.977	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	101110	0.729	ppbv	93
46) cis-1,3-Dichloropropene	8.71	75	150734m	0.856	ppbv	
47) 1,1,2-Trichloroethane	9.48	97	131574	0.929	ppbv	86
48) Dibromochloromethane	10.31	129	190640	0.902	ppbv	98
49) Bromoform	13.05	173	152130	0.890	ppbv	96
50) 4-Methyl-2-Pentanone	8.76	43	352264	0.890	ppbv	100
51) 2-Hexanone	10.16	43	253691m	0.844	ppbv	
52) Tetrachloroethene	11.23	164	115492m	0.926	ppbv	
53) Toluene	9.82	91	332106	0.900	ppbv	98
54) 1,2-Dibromoethane	10.62	107	194823m	0.952	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.13	131	169247	0.988	ppbv #	1
57) Chlorobenzene	12.16	112	279889	0.972	ppbv	99
58) Ethyl Benzene	12.72	91	472218	0.926	ppbv #	87
59) m/p-Xylene	13.00	91	871990m	1.946	ppbv	
60) o-Xylene	13.70	91	412818	0.963	ppbv	100
61) Styrene	13.54	104	217559	0.819	ppbv	96
62) Isopropylbenzene	14.68	105	637006	0.992	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.69	83	307442	0.909	ppbv	94
64) n-propylbenzene	15.57	120	149029	0.943	ppbv	71
65) tert-Butylbenzene	16.75	119	561711m	1.022	ppbv	
66) Benzyl Chloride	17.00	91	116382	0.779	ppbv #	98
67) sec-Butylbenzene	17.30	105	800437m	1.010	ppbv	
69) p-Isopropyltoluene	17.67	119	616172m	1.006	ppbv	
70) n-Butylbenzene	18.56	91	645101m	0.982	ppbv	
71) 2-Chlorotoluene	15.46	91	461841	0.938	ppbv	100
72) 4-Ethyltoluene	15.85	105	432371	0.907	ppbv	97
73) 1,3,5-Trimethylbenzene	16.01	105	414994	0.898	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	479227	1.016	ppbv	96
75) 1,3-Dichlorobenzene	17.01	146	254318	0.993	ppbv	97
76) 1,4-Dichlorobenzene	17.15	146	267136m	1.004	ppbv	
77) 1,2-Dichlorobenzene	17.83	146	252335m	0.993	ppbv	
78) Hexachloro-1,3-Butadiene	23.39	225	219373m	1.057	ppbv	
79) Naphthalene	22.22	128	223512m	0.799	ppbv	
80) Naphthalene, 2-methyl-	25.01	142	40496m	0.782	ppbv	
81) 1,2,4-Trichlorobenzene	21.95	180	146265m	0.857	ppbv	

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

