

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012422\
 Data File : VL038259.D
 Acq On : 24 Jan 2022 13:14
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Quant Time: Jan 24 14:09:23 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012422A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Jan 24 11:15:25 2022
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 01/25/2022
 Supervised By :Mahesh Dadoda 01/26/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	836633	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2284719	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2099915	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1653196	10.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	2485371	15.766	ppbv	99
3) Chlorodifluoromethane	3.00	51	2124350	12.084	ppbv	100
4) Chloromethane	3.15	50	747502	12.263	ppbv	99
5) Vinyl Chloride	3.27	62	737026	12.029	ppbv	99
6) Bromomethane	3.49	94	417190	13.362	ppbv	100
7) Chloroethane	3.57	64	264825	12.835	ppbv	97
8) Dichlorotetrafluoroethane	3.20	85	1800610	12.035	ppbv	100
9) Propene	3.02	41	718964	11.778	ppbv	99
10) Heptane	8.13	43	1856632	11.990	ppbv	100
11) Trichlorofluoromethane	3.96	101	1824998	12.605	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1350070	12.346	ppbv	99
13) Ethanol	3.62	45	68520	6.621	ppbv	97
14) Bromoethene	3.75	108	564585	12.959	ppbv	98
15) Acetone	3.86	43	906464	10.796	ppbv	100
16) 1,3-Butadiene	3.34	39	718783	12.566	ppbv	98
17) tert-Butyl alcohol	4.29	59	930306	10.088	ppbv	97
18) 1,1-Dichloroethene	4.30	96	588508	12.288	ppbv	97
19) Isopropyl Alcohol	3.98	45	507721	9.695	ppbv	100
20) Methylene Chloride	4.36	84	489886	10.334	ppbv	96
21) Allyl Chloride	4.42	41	907427	12.776	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	637235	13.041	ppbv	97
23) Vinyl Acetate	5.09	43	1512449	13.303	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1235362	12.150	ppbv	99
25) Ethyl Acetate	5.68	43	2877888	12.651	ppbv	99
26) Hexane	5.70	57	1322840	11.590	ppbv	98
27) Carbon Disulfide	4.56	76	1563211	15.559	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1319452	11.504	ppbv	99
29) Chloroform	5.76	83	2129108	12.571	ppbv	99
30) Cyclohexane	7.14	84	1111448	10.995	ppbv	100
31) cis-1,2-Dichloroethene	5.56	61	1373886	15.349	ppbv	95
32) 1,1,1-Trichloroethane	6.52	97	2087274	12.421	ppbv	99
34) 2-Butanone	5.25	43	1326793	19.321	ppbv	98
35) Carbon Tetrachloride	7.03	117	2187930	15.514	ppbv	99
36) Benzene	6.90	78	2781638	13.053	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1627877	15.223	ppbv	99
38) Trichloroethene	7.84	130	989469	12.200	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1104786	13.470	ppbv	98
40) 1,4-Dioxane	7.84	88	245916	10.307	ppbv #	1
41) Tetrahydrofuran	6.06	42	734652	14.606	ppbv	99
42) Bromodichloromethane	7.80	83	2338260	15.368	ppbv	99
43) Methyl Methacrylate	8.02	69	1075410	14.663	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4556173	12.586	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1001041	18.443	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1214883	16.170	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1111097	13.052	ppbv	98
48) Dibromochloromethane	10.31	129	1923714	16.070	ppbv	99
49) Bromoform	13.05	173	1424183	16.745	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	1907948	15.281	ppbv	99
51) 2-Hexanone	10.14	43	877724	14.688	ppbv	97
52) Tetrachloroethene	11.23	164	902227	11.469	ppbv	98
53) Toluene	9.81	91	3137946	12.761	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1636991	13.556	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1211967	13.876	ppbv	98
57) Chlorobenzene	12.15	112	2206411	12.115	ppbv	98
58) Ethyl Benzene	12.72	91	4106119	12.601	ppbv	96
59) m/p-Xylene	13.00	91	6764594m	24.282	ppbv	
60) o-Xylene	13.70	91	3168684	12.268	ppbv	100
61) Styrene	13.53	104	1719747	13.145	ppbv	99
62) Isopropylbenzene	14.67	105	4214786	11.623	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2140429	10.776	ppbv	100
64) n-propylbenzene	15.57	120	1063493	11.796	ppbv	95
65) tert-Butylbenzene	16.75	119	3379395	10.587	ppbv	99
66) Benzyl Chloride	17.00	91	204987	17.231	ppbv	97
67) sec-Butylbenzene	17.30	105	4699355	10.715	ppbv	99
69) p-Isopropyltoluene	17.66	119	3712439	10.524	ppbv	99
70) n-Butylbenzene	18.55	91	3672912	10.951	ppbv	100
71) 2-Chlorotoluene	15.46	91	3183694	11.795	ppbv	100
72) 4-Ethyltoluene	15.85	105	3505885	11.787	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	3055269	11.478	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	3041714	10.880	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	1693388	11.214	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	1635348	10.915	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	1534934	10.616	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	994612	11.148	ppbv	99
79) Naphthalene	22.20	128	1932520m	13.381	ppbv	
80) Naphthalene, 2-methyl-	24.98	142	276965	9.666	ppbv	93
81) 1,2,4-Trichlorobenzene	21.93	180	998828	12.094	ppbv	98

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

