

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033022\
 Data File : VL038794.D
 Acq On : 30 Mar 2022 12:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/02/2022
 Supervised By : Mahesh Dadoda 04/04/2022

Quant Time: Mar 31 04:08:35 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	845140	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2276939	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	2090882m	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1579019	9.85	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.50%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	925245	8.144	ppbv	100
3) Chlorodifluoromethane	2.98	51	897594	10.056	ppbv	99
4) Chloromethane	3.13	50	492432	10.048	ppbv	100
5) Vinyl Chloride	3.25	62	491598	9.872	ppbv	100
6) Bromomethane	3.47	94	286689	10.800	ppbv	100
7) Chloroethane	3.55	64	171803	10.422	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	1176570	10.372	ppbv	98
9) Propene	3.01	41	419829	9.742	ppbv	100
10) Heptane	8.11	43	1062688	10.316	ppbv	98
11) Trichlorofluoromethane	3.94	101	1115967	11.129	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	883741	11.449	ppbv	98
13) Ethanol	3.61	45	39273m	8.262	ppbv	
14) Bromoethene	3.73	108	384799	11.217	ppbv	97
15) Acetone	3.84	43	760985	10.435	ppbv	100
16) 1,3-Butadiene	3.32	39	424936	10.268	ppbv	97
17) tert-Butyl alcohol	4.27	59	850598	13.355	ppbv	99
18) 1,1-Dichloroethene	4.28	96	398193	11.483	ppbv	96
19) Isopropyl Alcohol	3.96	45	447323	11.064	ppbv	99
20) Methylene Chloride	4.33	84	336291	10.948	ppbv	100
21) Allyl Chloride	4.40	41	618522	11.785	ppbv	100
22) trans-1,2-Dichloroethene	4.87	96	438010	12.178	ppbv	98
23) Vinyl Acetate	5.06	43	899868	12.743	ppbv	100
24) 1,1-Dichloroethane	5.00	63	796884	11.459	ppbv	99
25) Ethyl Acetate	5.66	43	1885696	10.272	ppbv	100
26) Hexane	5.67	57	836671	10.180	ppbv	99
27) Carbon Disulfide	4.54	76	1031195	12.790	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	749475	12.242	ppbv	99
29) Chloroform	5.74	83	1361574	10.347	ppbv	98
30) Cyclohexane	7.11	84	735092	10.287	ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	779837	10.091	ppbv	100
32) 1,1,1-Trichloroethane	6.49	97	1369813	10.786	ppbv	99
34) 2-Butanone	5.23	43	914358	10.146	ppbv	97
35) Carbon Tetrachloride	7.00	117	1439892	10.899	ppbv	99
36) Benzene	6.87	78	1808609	10.292	ppbv	100
37) 1,2-Dichloroethane	6.29	62	947876	10.604	ppbv	100
38) Trichloroethene	7.82	130	793709	10.782	ppbv	98
39) 1,2-Dichloropropane	7.59	63	689322	10.034	ppbv	99
40) 1,4-Dioxane	7.82	88	172947	7.249	ppbv #	13
41) Tetrahydrofuran	6.03	42	683608	10.192	ppbv	97
42) Bromodichloromethane	7.77	83	1466772	10.944	ppbv	100
43) Methyl Methacrylate	8.00	69	721105	11.053	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	2910549	9.864	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	836862	12.616	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	1042432	11.621	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	748642	10.207	ppbv	98
48) Dibromochloromethane	10.28	129	1308610	11.390	ppbv	99
49) Bromoform	13.02	173	1079433	11.528	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	1747286	10.429	ppbv	99
51) 2-Hexanone	10.11	43	1340054	11.135	ppbv #	99
52) Tetrachloroethene	11.20	164	668773	10.400	ppbv	96
53) Toluene	9.79	91	2070911	10.968	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1113507	11.118	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	914330	10.548	ppbv	99
57) Chlorobenzene	12.13	112	1531631	10.156	ppbv	98
58) Ethyl Benzene	12.69	91	2692443	11.015	ppbv	100
59) m/p-Xylene	12.98	91	4525926m	21.167	ppbv	
60) o-Xylene	13.67	91	2149339	10.587	ppbv	100
61) Styrene	13.51	104	1295639	11.768	ppbv	99
62) Isopropylbenzene	14.64	105	3157751	10.346	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	1400319	8.905	ppbv	98
64) n-propylbenzene	15.54	120	834413	10.419	ppbv	93
65) tert-Butylbenzene	16.72	119	2804364	10.226	ppbv	99
66) Benzyl Chloride	16.97	91	721358	13.891	ppbv	99
67) sec-Butylbenzene	17.27	105	3989887	10.173	ppbv	100
69) p-Isopropyltoluene	17.63	119	3350482	10.467	ppbv	100
70) n-Butylbenzene	18.53	91	3490593	10.572	ppbv	100
71) 2-Chlorotoluene	15.43	91	2297185	10.141	ppbv	98
72) 4-Ethyltoluene	15.82	105	2656123	11.083	ppbv	98
73) 1,3,5-Trimethylbenzene	15.97	105	2313229	10.593	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	2464328	10.360	ppbv	97
75) 1,3-Dichlorobenzene	16.97	146	1543786	10.190	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	1507082	10.002	ppbv	98
77) 1,2-Dichlorobenzene	17.79	146	1505073	10.028	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1288944	9.292	ppbv	99
79) Naphthalene	22.17	128	2378958	13.090	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	559735	11.486	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	1393534	11.201	ppbv	98

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

