

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062922\
 Data File : VL039400.D
 Acq On : 29 Jun 2022 15:43
 Operator : SY/AP
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/01/2022
 Supervised By : Mahesh Dadoda 07/01/2022

Quant Time: Jun 29 16:14:49 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 29 15:33:53 2022

QLast Update : Wed Jun 29 15:33:53 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.652	49	1298009	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.163	114	3620327	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.069	117	3495916	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.397 95 2670213 9.239 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 92.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.041	85	2039210	8.944	ppbv	99
3) Chlorodifluoromethane	2.983	51	2134955	12.927	ppbv	99
4) Chloromethane	3.134	50	1164847	13.731	ppbv	100
5) Vinyl Chloride	3.250	62	1106838	13.957	ppbv	98
6) Bromomethane	3.465	94	532227	13.642	ppbv	97
7) Chloroethane	3.549	64	428502	15.507	ppbv	99
8) Dichlorotetrafluoroethane	3.179	85	2593519	12.447	ppbv	98
9) Propene	3.002	41	957680	13.298	ppbv	98
10) Heptane	8.108	43	2508925	14.934	ppbv	99
11) Trichlorofluoromethane	3.941	101	2788912	13.514	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.472	101	2064908	15.130	ppbv	100
13) Ethanol	3.597	45	56846	14.474	ppbv	86
14) Bromoethene	3.729	108	885432	14.431	ppbv	99
15) Acetone	3.835	43	2062369	15.253	ppbv	99
16) 1,3-Butadiene	3.320	39	1087498	14.962	ppbv	99
17) tert-Butyl alcohol	4.269	59	1729485	16.491	ppbv	100
18) 1,1-Dichloroethene	4.279	96	950977	15.533	ppbv	98
19) Isopropyl Alcohol	3.947	45	1030834	16.255	ppbv #	96
20) Methylene Chloride	4.333	84	779884	13.687	ppbv	97
21) Allyl Chloride	4.401	41	1474564	16.166	ppbv	99
22) trans-1,2-Dichloroethene	4.873	96	962168	16.334	ppbv	98
23) Vinyl Acetate	5.060	43	1628546	14.557	ppbv	98
24) 1,1-Dichloroethane	4.999	63	2015508	13.149	ppbv	98
25) Ethyl Acetate	5.661	43	4464769	14.651	ppbv	100
26) Hexane	5.674	57	1918167	14.323	ppbv	98
27) Carbon Disulfide	4.539	76	2348354	16.919	ppbv	100
28) Methyl tert-Butyl Ether	5.018	73	1924717	13.018	ppbv	97
29) Chloroform	5.738	83	2987829	13.258	ppbv	100
30) Cyclohexane	7.118	84	1622125	14.418	ppbv	99
31) cis-1,2-Dichloroethene	5.536	61	1905004	13.951	ppbv	99
32) 1,1,1-Trichloroethane	6.494	97	3042543	13.797	ppbv	99
34) 2-Butanone	5.227	43	2698864	13.722	ppbv	99
35) Carbon Tetrachloride	7.005	117	3278903	12.409	ppbv	98
36) Benzene	6.877	78	3937047	13.395	ppbv	98
37) 1,2-Dichloroethane	6.291	62	2307365	11.928	ppbv	100
38) Trichloroethene	7.822	130	2096949	15.533	ppbv	98
39) 1,2-Dichloropropane	7.597	63	1472491	12.595	ppbv	94
40) 1,4-Dioxane	7.812	88	588495	15.290	ppbv	98
41) Tetrahydrofuran	6.031	42	1583359	13.385	ppbv	99
42) Bromodichloromethane	7.777	83	3335661	12.425	ppbv	98
43) Methyl Methacrylate	7.999	69	1639390	14.319	ppbv	100
44) 2,2,4-Trimethylpentane	7.854	57	6491948	12.626	ppbv	99
45) t-1,3-Dichloropropene	9.266	75	1788143	14.997	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.687	75	2251468	14.294	ppbv	99
47) 1,1,2-Trichloroethane	9.458	97	1650277	13.530	ppbv	99
48) Dibromochloromethane	10.288	129	3015383	13.846	ppbv	99
49) Bromoform	13.024	173	2570346	14.162	ppbv	99
50) 4-Methyl-2-Pentanone	8.722	43	4198224	14.260	ppbv	100
51) 2-Hexanone	10.114	43	3355786	14.648	ppbv #	100
52) Tetrachloroethene	11.208	164	1562014	13.611	ppbv	98
53) Toluene	9.790	91	4764490	14.078	ppbv	99
54) 1,2-Dibromoethane	10.597	107	2238808	13.660	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.108	131	2153710	13.020	ppbv #	71
57) Chlorobenzene	12.130	112	3675563	13.973	ppbv	98
58) Ethyl Benzene	12.693	91	6367091	13.222	ppbv	100
59) m/p-Xylene	12.976	91	10949841m	25.822	ppbv	
60) o-Xylene	13.674	91	5264420	13.212	ppbv	98
61) Styrene	13.510	104	3286506	15.402	ppbv	99
62) Isopropylbenzene	14.651	105	7706444	13.012	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.661	83	2508275	11.215	ppbv	99
64) n-propylbenzene	15.542	120	2102128	14.439	ppbv	93
65) tert-Butylbenzene	16.725	119	7029250	12.980	ppbv	99
66) Benzyl Chloride	16.973	91	1039433	14.761	ppbv	100
67) sec-Butylbenzene	17.275	105	9551592	12.926	ppbv	98
69) p-Isopropyltoluene	17.632	119	8292354	13.301	ppbv	99
70) n-Butylbenzene	18.529	91	8241091	12.879	ppbv	98
71) 2-Chlorotoluene	15.436	91	5794999	12.831	ppbv	99
72) 4-Ethyltoluene	15.822	105	6450718	13.813	ppbv	100
73) 1,3,5-Trimethylbenzene	15.979	105	5767820	13.693	ppbv	98
74) 1,2,4-Trimethylbenzene	16.744	105	6196663	13.183	ppbv	98
75) 1,3-Dichlorobenzene	16.979	146	3827720	14.387	ppbv	100
76) 1,4-Dichlorobenzene	17.117	146	3814033	14.368	ppbv	97
77) 1,2-Dichlorobenzene	17.799	146	3726362	13.896	ppbv	100
78) Hexachloro-1,3-Butadiene	23.355	225	2683975	10.946	ppbv	99
79) Naphthalene	22.169	128	5533602	15.292	ppbv	99
80) Naphthalene,2-methyl-	24.947	142	2116676	15.744	ppbv	96
81) 1,2,4-Trichlorobenzene	21.898	180	3116399	13.594	ppbv	99

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

