

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060722\
 Data File : VL039220.D
 Acq On : 7 Jun 2022 22:15
 Operator : SY/AP
 Sample : N3214-13 0.45 LOD
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2022

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/10/2022
 Supervised By : Mahesh Dadoda 06/10/2022

Quant Time: Jun 08 06:57:35 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	704479	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1658560	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	1469811	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1296075	10.67	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	102254m	0.826	ppbv
3) Chlorodifluoromethane	2.99	51	64308	0.717	ppbv 98
4) Chloromethane	3.14	50	31068	0.675	ppbv # 87
5) Vinyl Chloride	3.26	62	31722m	0.737	ppbv
6) Bromomethane	3.48	94	15779m	0.745	ppbv
7) Chloroethane	3.56	64	13743m	0.916	ppbv
8) Dichlorotetrafluoroethane	3.19	85	82479	0.729	ppbv 98
9) Propene	3.01	41	27571m	0.705	ppbv
10) Heptane	8.12	43	47995m	0.526	ppbv
11) Trichlorofluoromethane	3.95	101	92295	0.824	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	64264m	0.868	ppbv
13) Ethanol	3.61	45	2947m	1.383	ppbv
14) Bromoethene	3.74	108	26360m	0.792	ppbv
15) Acetone	3.86	43	73867m	1.007	ppbv
16) 1,3-Butadiene	3.33	39	30925m	0.784	ppbv
17) tert-Butyl alcohol	4.31	59	49363m	0.867	ppbv
18) 1,1-Dichloroethene	4.29	96	25466	0.766	ppbv 93
19) Isopropyl Alcohol	3.97	45	28194	0.819	ppbv # 87
20) Methylene Chloride	4.35	84	31383m	1.015	ppbv
21) Allyl Chloride	4.41	41	37044m	0.748	ppbv
22) trans-1,2-Dichloroethene	4.89	96	24142	0.755	ppbv 98
23) Vinyl Acetate	5.08	43	40710m	0.670	ppbv
24) 1,1-Dichloroethane	5.01	63	53048	0.638	ppbv 98
25) Ethyl Acetate	5.68	43	98182m	0.594	ppbv
26) Hexane	5.69	57	42629m	0.586	ppbv
27) Carbon Disulfide	4.56	76	47614	0.632	ppbv # 79
28) Methyl tert-Butyl Ether	5.05	73	53188m	0.663	ppbv
29) Chloroform	5.75	83	85207m	0.697	ppbv
30) Cyclohexane	7.13	84	32117m	0.526	ppbv
31) cis-1,2-Dichloroethene	5.55	61	45376m	0.612	ppbv
32) 1,1,1-Trichloroethane	6.51	97	79353m	0.663	ppbv
34) 2-Butanone	5.26	43	52539	0.583	ppbv 93
35) Carbon Tetrachloride	7.02	117	79523m	0.657	ppbv
36) Benzene	6.89	78	75194	0.558	ppbv 96
37) 1,2-Dichloroethane	6.30	62	63474	0.716	ppbv 100
38) Trichloroethene	7.83	130	37110m	0.600	ppbv
39) 1,2-Dichloropropane	7.61	63	32942m	0.615	ppbv
40) 1,4-Dioxane	7.86	88	12122m	0.687	ppbv
41) Tetrahydrofuran	6.07	42	30302m	0.559	ppbv
42) Bromodichloromethane	7.79	83	74454m	0.605	ppbv
43) Methyl Methacrylate	8.01	69	30359m	0.579	ppbv

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060722\
 Data File : VL039220.D
 Acq On : 7 Jun 2022 22:15
 Operator : SY/AP
 Sample : N3214-13 0.45 LOD
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2022

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/10/2022
 Supervised By : Mahesh Dadoda 06/10/2022

Quant Time: Jun 08 06:57:35 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	130204	0.553	ppbv	# 88
45) t-1,3-Dichloropropene	9.28	75	23076m	0.422	ppbv	
46) cis-1,3-Dichloropropene	8.70	75	34498m	0.478	ppbv	
47) 1,1,2-Trichloroethane	9.48	97	35830m	0.641	ppbv	
48) Dibromochloromethane	10.30	129	51017m	0.511	ppbv	
49) Bromoform	13.03	173	36610m	0.440	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	72160m	0.535	ppbv	
51) 2-Hexanone	10.15	43	51783m	0.493	ppbv	
52) Tetrachloroethene	11.22	164	29726m	0.565	ppbv	
53) Toluene	9.81	91	80033	0.516	ppbv	93
54) 1,2-Dibromoethane	10.61	107	44831m	0.597	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.12	131	44386m	0.638	ppbv	
57) Chlorobenzene	12.14	112	67363	0.609	ppbv	# 90
58) Ethyl Benzene	12.99	91	214686m	1.060	ppbv	
59) m/p-Xylene	12.99	91	214686m	1.204	ppbv	
60) o-Xylene	13.69	91	103202	0.616	ppbv	92
61) Styrene	13.53	104	41923m	0.467	ppbv	
62) Isopropylbenzene	14.66	105	144855	0.582	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	53940m	0.574	ppbv	
64) n-propylbenzene	15.56	120	32406m	0.529	ppbv	
65) tert-Butylbenzene	16.74	119	133469m	0.586	ppbv	
66) Benzyl Chloride	16.99	91	12682m	0.428	ppbv	
67) sec-Butylbenzene	17.29	105	186700	0.601	ppbv	96
69) p-Isopropyltoluene	17.64	119	147530m	0.563	ppbv	
70) n-Butylbenzene	18.55	91	151501m	0.563	ppbv	
71) 2-Chlorotoluene	15.45	91	111837m	0.589	ppbv	
72) 4-Ethyltoluene	15.83	105	98466	0.501	ppbv	# 93
73) 1,3,5-Trimethylbenzene	15.99	105	105232m	0.594	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	117984m	0.597	ppbv	
75) 1,3-Dichlorobenzene	16.99	146	68217m	0.610	ppbv	
76) 1,4-Dichlorobenzene	17.14	146	64370m	0.577	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	66668m	0.591	ppbv	
78) Hexachloro-1,3-Butadiene	23.37	225	65630m	0.637	ppbv	
79) Naphthalene	22.20	128	71548m	0.470	ppbv	
80) Naphthalene, 2-methyl-	24.97	142	14822m	0.262	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	45116m	0.468	ppbv	

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

