

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051322\
 Data File : VL039054.D
 Acq On : 14 May 2022 2:34
 Operator : SY/AP
 Sample : N2828-02DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2022
 Supervised By :Mahesh Dadoda 05/17/2022

Quant Time: May 14 03:49:44 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 6

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.655	49	876139	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.160	114	2119081	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.063	117	1727380	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.391 95 1329640 9.720 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.200%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	3.047	85	17389m	0.127	ppbv	
3) Chlorodifluoromethane	2.986	51	14843	0.137	ppbv #	88
4) Chloromethane	3.134	50	8212	0.151	ppbv #	69
5) Vinyl Chloride	3.021	62	261	0.005	ppbv #	40
6) Bromomethane	3.510	94	121	0.005	ppbv #	1
7) Chloroethane	3.597	64	97	0.006	ppbv #	45
8) Dichlorotetrafluoroethane	3.182	85	387	0.003	ppbv	94
9) Propene	3.009	41	48681m	1.025	ppbv	
10) Heptane	8.111	43	21225	0.182	ppbv	97
11) Trichlorofluoromethane	3.983	101	514	0.004	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.478	101	871	0.011	ppbv #	35
13) Ethanol	3.600	45	103624	30.841	ppbv	97
15) Acetone	3.864	43	383332	4.638	ppbv #	71
17) tert-Butyl alcohol	4.282	59	274	0.004	ppbv #	70
18) 1,1-Dichloroethene	4.533	96	118	0.003	ppbv #	1
19) Isopropyl Alcohol	3.973	45	24347m	0.620	ppbv	
20) Methylene Chloride	4.337	84	175049	5.620	ppbv	97
21) Allyl Chloride	4.372	41	1560	0.028	ppbv #	24
22) trans-1,2-Dichloroethene	5.134	96	73	0.002	ppbv #	1
24) 1,1-Dichloroethane	5.021	63	125	0.002	ppbv #	89
26) Hexane	5.674	57	226920	2.582	ppbv #	39
27) Carbon Disulfide	4.546	76	294	0.004	ppbv #	63
28) Methyl tert-Butyl Ether	5.034	73	88	0.001	ppbv #	52
29) Chloroform	5.732	83	264	0.002	ppbv	85
30) Cyclohexane	7.118	84	14629m	0.199	ppbv	
31) cis-1,2-Dichloroethene	5.652	61	76	0.001	ppbv #	27
32) 1,1,1-Trichloroethane	6.060	97	50	0.000	ppbv #	22
35) Carbon Tetrachloride	7.002	117	1221	0.009	ppbv #	53
36) Benzene	6.870	78	72887m	0.402	ppbv	
37) 1,2-Dichloroethane	6.288	62	132	0.001	ppbv #	83
38) Trichloroethene	7.857	130	45	0.001	ppbv #	31
40) 1,4-Dioxane	7.803	88	106	0.004	ppbv #	1
41) Tetrahydrofuran	6.066	42	859	0.012	ppbv #	1
42) Bromodichloromethane	7.777	83	834	0.005	ppbv #	24
43) Methyl Methacrylate	7.986	69	114	0.002	ppbv #	1
44) 2,2,4-Trimethylpentane	7.854	57	86672	0.272	ppbv #	83
45) t-1,3-Dichloropropene	9.282	75	95	0.001	ppbv #	44
46) cis-1,3-Dichloropropene	8.442	75	66	0.001	ppbv #	24
47) 1,1,2-Trichloroethane	9.610	97	181	0.002	ppbv #	27
49) Bromoform	13.092	173	148	0.002	ppbv #	45
50) 4-Methyl-2-Pentanone	8.722	43	237	0.001	ppbv #	39
51) 2-Hexanone	10.108	43	266	0.002	ppbv #	90
52) Tetrachloroethene	11.204	164	13093m	0.202	ppbv	

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 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) Toluene	9.783	91	172128m	0.847	ppbv	
54) 1,2-Dibromoethane	10.677	107	121	0.001	ppbv #	3
56) 1,1,1,2-Tetrachloroethane	12.310	131	34	0.000	ppbv #	9
57) Chlorobenzene	12.156	112	35	0.000	ppbv #	22
59) m/p-Xylene	12.941	91	69669m	0.328	ppbv	
60) o-Xylene	13.667	91	26967m	0.135	ppbv	
61) Styrene	13.500	104	646	0.006	ppbv #	1
62) Isopropylbenzene	14.645	105	1448	0.005	ppbv #	82
63) 1,1,2,2-Tetrachloroethane	13.738	83	136	0.001	ppbv #	23
64) n-propylbenzene	15.539	120	743	0.011	ppbv #	1
65) tert-Butylbenzene	16.712	119	337	0.001	ppbv #	15
66) Benzyl Chloride	16.941	91	224	0.007	ppbv #	70
67) sec-Butylbenzene	17.262	105	1218	0.003	ppbv #	87
69) p-Isopropyltoluene	17.616	119	792	0.003	ppbv #	45
70) n-Butylbenzene	18.519	91	914	0.003	ppbv #	33
71) 2-Chlorotoluene	15.346	91	110	0.000	ppbv	71
72) 4-Ethyltoluene	15.815	105	1275	0.006	ppbv #	1
73) 1,3,5-Trimethylbenzene	15.966	105	1438	0.007	ppbv #	78
74) 1,2,4-Trimethylbenzene	16.735	105	38911	0.173	ppbv #	65
75) 1,3-Dichlorobenzene	16.953	146	124	0.001	ppbv #	1
76) 1,4-Dichlorobenzene	17.105	146	44	0.000	ppbv #	23
77) 1,2-Dichlorobenzene	17.815	146	128	0.001	ppbv #	1
79) Naphthalene	22.146	128	348	0.002	ppbv #	69
80) Naphthalene,2-methyl-	25.072	142	67	0.001	ppbv #	1
81) 1,2,4-Trichlorobenzene	21.490	180	31	0.000	ppbv #	1

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

