

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052522\
 Data File : VL039117.D
 Acq On : 25 May 2022 14:50
 Operator : SY/AP
 Sample : VL0525ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

Quant Time: May 26 07:58:47 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 26 07:58:47 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/27/2022
 Supervised By : Mahesh Dadoda 05/27/2022

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

Internal Standards						
1) Bromochloromethane	5.642	49	1050133	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.144	114	2364550	10.000	ppbv	-0.03
55) Chlorobenzene-d5	12.047	117	2305721	10.000	ppbv	-0.03

System Monitoring Compounds
 68) 1-Bromo-4-Fluorobenzene 14.378 95 1931433 10.577 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.034	85	1025313	6.231	ppbv	99
3) Chlorodifluoromethane	2.977	51	1305432	10.018	ppbv	97
4) Chloromethane	3.128	50	602705	9.236	ppbv	95
5) Vinyl Chloride	3.243	62	617921	10.370	ppbv	96
6) Bromomethane	3.456	94	298429	10.601	ppbv	95
7) Chloroethane	3.539	64	222717	11.167	ppbv	96
8) Dichlorotetrafluoroethane	3.173	85	1497860	10.045	ppbv	97
9) Propene	2.996	41	497298	8.739	ppbv	96
10) Heptane	8.089	43	1287423	9.222	ppbv	98
11) Trichlorofluoromethane	3.932	101	1588247	11.250	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.462	101	1138108	11.703	ppbv	99
13) Ethanol	3.584	45	54731	13.591	ppbv	95
14) Bromoethene	3.723	108	473597	11.810	ppbv	97
15) Acetone	3.829	43	1036193	10.460	ppbv	96
16) 1,3-Butadiene	3.311	39	604420	10.620	ppbv	99
17) tert-Butyl alcohol	4.259	59	966637	12.696	ppbv	99
18) 1,1-Dichloroethene	4.269	96	488704	11.676	ppbv	98
19) Isopropyl Alcohol	3.938	45	598814	12.714	ppbv #	99
20) Methylene Chloride	4.324	84	422414	11.314	ppbv	96
21) Allyl Chloride	4.388	41	724243	10.729	ppbv	98
22) trans-1,2-Dichloroethene	4.861	96	505595	11.183	ppbv	98
23) Vinyl Acetate	5.047	43	691626	8.824	ppbv	98
24) 1,1-Dichloroethane	4.986	63	999659	11.076	ppbv	100
25) Ethyl Acetate	5.648	43	2606285	10.993	ppbv	99
26) Hexane	5.661	57	1040434	9.876	ppbv	93
27) Carbon Disulfide	4.530	76	1179182	11.783	ppbv	99
28) Methyl tert-Butyl Ether	5.009	73	910941	11.365	ppbv	99
29) Chloroform	5.726	83	1698273	9.964	ppbv	98
30) Cyclohexane	7.102	84	812926	9.217	ppbv	98
31) cis-1,2-Dichloroethene	5.523	61	1060037	9.877	ppbv	97
32) 1,1,1-Trichloroethane	6.481	97	1824800	10.708	ppbv	99
34) 2-Butanone	5.214	43	1384540	11.477	ppbv	98
35) Carbon Tetrachloride	6.986	117	1896684	12.174	ppbv	97
36) Benzene	6.861	78	1980974	9.790	ppbv	97
37) 1,2-Dichloroethane	6.275	62	1446808	11.556	ppbv	97
38) Trichloroethene	7.803	130	775342	8.619	ppbv	97
39) 1,2-Dichloropropane	7.581	63	785630	9.978	ppbv #	91
40) 1,4-Dioxane	7.796	88	264691	9.360	ppbv #	1
41) Tetrahydrofuran	6.018	42	791623	9.764	ppbv	100
42) Bromodichloromethane	7.758	83	1916266	11.195	ppbv	98
43) Methyl Methacrylate	7.980	69	868860	10.577	ppbv	96
44) 2,2,4-Trimethylpentane	7.838	57	3478164	9.796	ppbv	98
45) t-1,3-Dichloropropene	9.240	75	729535	9.174	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.668	75	1010603	9.583	ppbv	99
47) 1,1,2-Trichloroethane	9.439	97	824476	10.068	ppbv	99
48) Dibromochloromethane	10.272	129	1556211	11.676	ppbv	100
49) Bromoform	12.999	173	1255519	12.351	ppbv	99
50) 4-Methyl-2-Pentanone	8.706	43	2127541	10.058	ppbv	99
51) 2-Hexanone	10.095	43	1573651	10.193	ppbv #	99
52) Tetrachloroethene	11.185	164	713625	9.869	ppbv	98
53) Toluene	9.771	91	2313552	10.201	ppbv	99
54) 1,2-Dibromoethane	10.574	107	1212558	10.877	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.089	131	1122400	11.095	ppbv	99
57) Chlorobenzene	12.111	112	1700082	9.836	ppbv	98
58) Ethyl Benzene	12.671	91	3239536	9.763	ppbv	99
59) m/p-Xylene	12.954	91	5654040m	19.960	ppbv	
60) o-Xylene	13.651	91	2759241	10.349	ppbv	96
61) Styrene	13.491	104	1449273	10.182	ppbv	99
62) Isopropylbenzene	14.629	105	3997840	10.254	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.639	83	1837153	11.702	ppbv	99
64) n-propylbenzene	15.523	120	996105	10.567	ppbv	95
65) tert-Butylbenzene	16.706	119	3638828	10.652	ppbv	99
66) Benzyl Chloride	16.953	91	257372m	5.764	ppbv	
67) sec-Butylbenzene	17.256	105	5163530	10.580	ppbv	99
69) p-Isopropyltoluene	17.613	119	4249240	10.777	ppbv	99
70) n-Butylbenzene	18.510	91	4546465	10.853	ppbv	100
71) 2-Chlorotoluene	15.413	91	3118865	10.376	ppbv	99
72) 4-Ethyltoluene	15.799	105	3136360	10.323	ppbv	99
73) 1,3,5-Trimethylbenzene	15.957	105	2866148	10.479	ppbv	99
74) 1,2,4-Trimethylbenzene	16.722	105	3178108	10.612	ppbv	98
75) 1,3-Dichlorobenzene	16.953	146	1741426	10.613	ppbv	99
76) 1,4-Dichlorobenzene	17.098	146	1662797	10.301	ppbv	98
77) 1,2-Dichlorobenzene	17.777	146	1720632	10.603	ppbv	100
78) Hexachloro-1,3-Butadiene	23.333	225	1380126	9.254	ppbv	99
79) Naphthalene	22.143	128	2351818	9.668	ppbv	99
80) Naphthalene,2-methyl-	24.937	142	542428	7.371	ppbv	96
81) 1,2,4-Trichlorobenzene	21.873	180	1343090	9.422	ppbv	100

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

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